



March 5, 2004

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Alameda County

MAR 15 2004

Environmental Health

Mr. Amir Gholami
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

**Re: First 2004 Semi-Annual Groundwater Monitoring Report
Former BP Service Station #11133
2220 98th Avenue
Oakland, CA
URS Project #38486815**

Dear Mr. Gholami:

On behalf of the Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *First 2004 Semi-Annual Groundwater Monitoring Report* for the Former BP Service Station #11133, located at 2220 98th Avenue, Oakland, California.

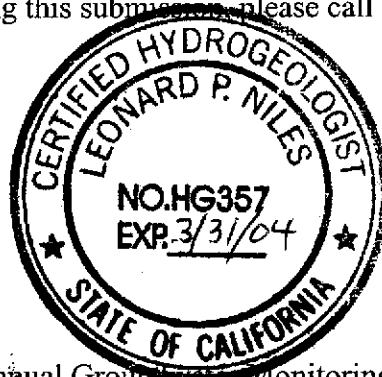
In accordance with Title 23, Division 3, Chapter 16, Article 11, Section 2722. *Scope of Corrective Action* of the State Water Code, URS has proceeded with the recommendations made more than 60 days previously in the *Second 2003 Semi-Annual Groundwater Monitoring Report*, in which it was proposed to reduce the frequency of free product gauging and bailing from monitoring well RW-1 from quarterly to semi-annual. URS also increased the sampling frequency of well AW-6 from annual to semi-annual, as was discussed in the *4th Quarter 2003 Status Report*.

If you have any questions regarding this submission, please call (510) 874-1720.

Sincerely,

URS CORPORATION

Leonard P. Niles
Leonard P. Niles, R.G./C.H.G.
Senior Geologist/Project Manager



Enclosure: First 2004 Semi-Annual Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)
Ms. Liz Sewell, ConocoPhillips, 76 Broadway, Sacramento, CA 95818

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
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REPORT

ALABAMA COUNTY
MAR 15 2004
Environmental Health

FIRST 2004 SEMI-ANNUAL GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11133
2220 98TH AVENUE,
OAKLAND, CALIFORNIA

Prepared for
Atlantic Richfield Company

March 5, 2004

URS

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486815



Alameda County

MAR 18 2004

Date: March 5, 2004

Quarter: 1Q 04

Environmental Health

BP FIRST SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Facility No.: 11133 Address: 2220 98th Avenue, Oakland, CA
 ARCO Environmental Business Manager: Paul Supple
 Consulting Co./Contact Person: URS Corporation / Leonard Niles
 Consultant Project No.: 38486815
 Primary Agency: Alameda County Health Care Services Agency (ACHCSA)

WORK PERFORMED THIS QUARTER (First – 2004):

1. Performed first 2004 semi-annual groundwater monitoring event on February 5, 2004.
2. Prepared and submitted fourth quarter 2003 status report.
3. Prepared and submitted first 2004 semi-annual groundwater monitoring report.
4. Performed quarterly free product measurement in well RW-1.

WORK PROPOSED FOR NEXT QUARTER (Second – 2004):

1. Prepare and submit second quarter 2004 status report.

Current Phase of Project:	<u>GW monitoring/sampling</u>
Frequency of Groundwater Sampling:	<u>Revised: Wells MW-1, MW-3, AW-1, AW-4, AW-5, AW-6, RW-1 semi-annual (1st and 3rd quarters); AW-2 annual; MW-2, AW-3, AW-7, AW-8 not sampled; free product gauging of RW-1 semiannual</u>
Frequency of Groundwater Monitoring:	<u>Semiannual</u>
Is Free Product (FP) Present On-Site:	<u>No</u>
Current Remediation Techniques:	<u>None</u>
Approximate Depth to Groundwater:	<u>8.40 (MW-2) to 18.75 (AW-1) feet</u>
Groundwater Gradient (direction):	<u>Variable; Southwest to Northeast</u>
Groundwater Gradient (magnitude):	<u>Variable; 0.03 to 0.06 feet per foot</u>

DISCUSSION:

GRO was detected above the laboratory reporting limits in six of the eight wells sampled at concentrations ranging from 420 µg/L (AW-4) to 12,000 µg/L (AW-1). Benzene was detected above the laboratory reporting limits in five wells at concentrations ranging from 3.0 µg/L (AW-2) to 2,000 µg/L (AW-1). MTBE was detected above the laboratory reporting limits in all eight wells sampled at concentrations ranging from 4.6 µg/L (MW-3) to 5,400 µg/L (AW-6). TBA was detected above the laboratory reporting limits in one well at a concentration of 1,200 µg/L (AW-5). TAME above the laboratory reporting limits was detected in four wells at concentrations ranging from 3.7 µg/L (AW-4) to 1,800 µg/L (AW-6). No other fuel oxygenates were detected above their respective laboratory reporting limits.

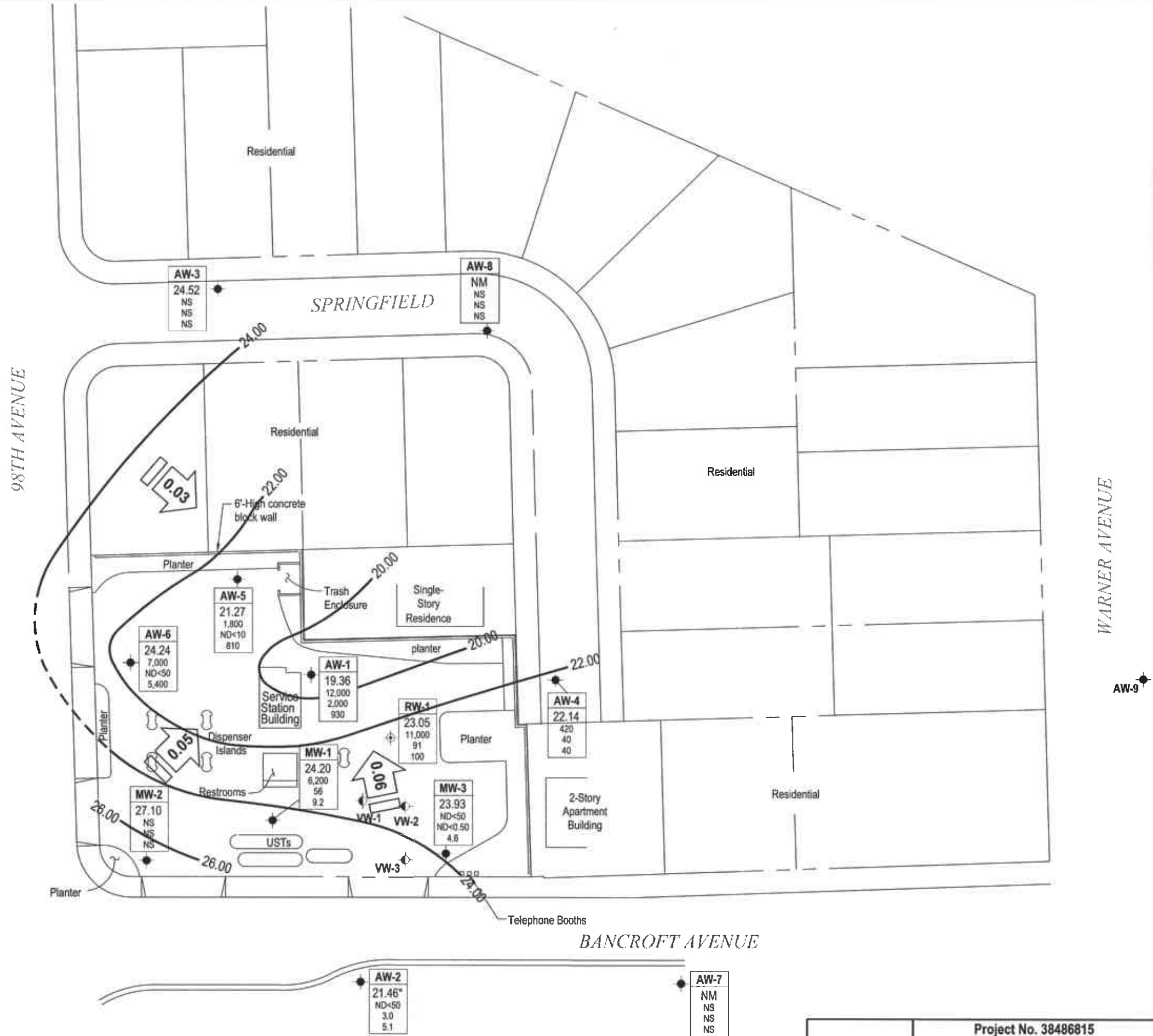


As recommended in the *Second 2003 Semi-Annual Groundwater Monitoring Report*, URS has reduced the free product measurement and bailing schedule for well RW-1 from quarterly to semi-annual. Furthermore, URS has increased the sampling frequency of AW-6 from annual to semi-annual.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – February 5, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Attachment A – Concentration and Water Level Trends (AW-1)
- Attachment B – Field Procedures and Field Data Sheets
- Attachment C – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment D – EDCC Report and EDF/Geowell Submittal Confirmation

X:\x_env\waste\BP_GEMS\Site\Niles_Sites\1133\Reports\Monitoring\Clr_1_2004\Drawings\GWEC-AS_2-5.dwg, 03/05/2004 10:56:53 AM, jldingd



EXPLANATION

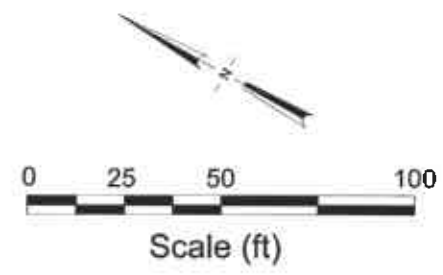
- ◆ Monitoring Well
- ◊ Vapor Extraction Well
- ⊕ Combined Groundwater Recovery/Vapor Extraction Well
- 0.03 Groundwater Flow Gradient and Direction (Feet/Foot)
- 20.00 Groundwater Elevation Contour (Feet above MSL)

Well	ELEV	GRO	Benzene	MTBE
AW-3	24.52	NS	NS	NS
AW-5	21.27	1,800	ND<10	810
AW-6	24.24	7,000	ND<50	5,400
AW-1	19.36	12,000	2,000	930
AW-4	22.14	420	40	40
MW-1	24.20	6,200	56	9.2
MW-2	27.10	NS	NS	NS
MW-3	23.93	ND<50	ND<0.50	4.6
RW-1	23.05	11,000	91	100
AW-2	21.46*	ND<50	3.0	5.1
AW-7	NM	NS	NS	NS

ND< Not Detected at or Above Laboratory Reporting Limits
 NS Not Sampled
 • Not Used in Contours

*Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

NOTES: WELL AW-7 COULD NOT BE LOCATED.
 SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



URS	Project No. 38486815	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP	FIGURE 1
	Former BP Service Station #11133 2220 98th Avenue Oakland, California		

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G / GRO (b) (ug/L)	(s)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB	
MW-1	4/5/91	34.46		---	---	---	---	---	---	---	---	---	---	---	---	
MW-1	4/1/92	34.46		11.25	0.01	23.22	---	---	---	---	---	---	---	---	---	
MW-1	7/6/92	34.46		13.61	0.02	20.87	---	---	---	---	---	---	---	---	---	
MW-1	10/7/92	34.46		15.15	0.09	19.38	---	---	---	---	---	---	---	---	---	
MW-1	1/14/93	34.46		10.73	0.01	23.74	---	---	---	---	---	---	---	---	---	
MW-1	4/22/93	34.46		11.64	0.16	22.94	---	---	---	---	---	---	---	---	---	
MW-1	7/15/93	34.46		13.50	1.11	21.79	---	---	---	---	---	---	---	---	---	
MW-1	10/21/93	34.46		15.21	1.00	20.00	---	---	---	---	---	---	---	---	---	
MW-1	1/27/94	34.46		17.48	0.81	17.59	---	---	---	---	---	---	---	---	---	
MW-1	4/21/94	34.46		10.94	---	23.52	110000		1400	9100	3400	30000	11000	(c)	1.6	PACE
MW-1	9/9/94	34.46		13.80	---	20.66	---	---	---	---	---	---	---	---	---	---
MW-1	12/21/94	34.46		12.60	0.02	21.88	---	---	---	---	---	---	---	---	---	---
MW-1	1/30/95	34.46		---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	4/10/95	34.46		10.62	---	23.84	---	---	---	---	---	---	---	---	---	---
MW-1	6/29/95	34.46		18.72	---	15.74	---	---	---	---	---	---	---	---	---	---
MW-1	9/18/95	34.46		12.92	---	21.54	---	---	---	---	---	---	---	---	---	---
MW-1	12/7/95	34.46		13.82	---	20.64	---	---	---	---	---	---	---	---	---	---
MW-1	3/28/96	34.46		10.03	0.01	24.44	---	---	---	---	---	---	---	---	---	---
MW-1	6/20/96	34.46		11.29	0.02	23.19	---	---	---	---	---	---	---	---	---	---
MW-1	10/11/96	34.46		14.86	0.01	19.61	---	---	---	---	---	---	---	---	---	---
MW-1	1/2/97	34.46		11.03	0.01	23.44	---	---	---	---	---	---	---	---	---	---
MW-1	4/14/97	34.46		12.25	0.01	22.22	---	---	---	---	---	---	---	---	---	---
MW-1	4/15/97	34.46		---	---	---	35000		130	650	1700	8200	4800	---	---	SPL
MW-1	7/2/97	34.46		14.11	---	20.35	42000		ND<250	ND<500	2000	9600	ND<5000	5.5	---	SPL
MW-1	9/30/97	34.46		14.40	---	20.06	61000		130	1100	2700	14600	2000	6.7	---	SPL
MW-1	1/21/98	34.46		7.99	0.01	26.48	14000		11	60	310	1790	1300	4.5	---	SPL
MW-1	4/9/98	34.46		7.89	---	26.57	---	---	---	---	---	---	---	---	---	---
MW-1	4/10/98	34.46		---	---	---	45000		380	520	2100	6800	9300	5.3	---	SPL
MW-1	6/19/98	34.46		10.31	---	24.15	35000		170	100	1100	3590	5000	4.9	---	SPL
MW-1	11/30/98	34.46		11.16	---	23.30	10000		100	24	350	1040	1800/2800	(g)	---	SPL
MW-1	1/21/99	34.46		10.76	---	23.70	18000		120	37	590	1800	2700	---	---	SPL
MW-1	4/30/99	34.46		10.78	---	23.68	17000		240	89	1100	1900	1600	---	---	SPL
MW-1	7/9/99	34.46		12.62	---	21.84	58000		140	100	1800	6900	1200	---	---	SPL
MW-1	11/3/99	34.46		14.00	---	20.46	20000		62	42	620	2100	630	---	---	PACE
MW-1	1/12/00	34.46		15.25	---	19.21	72000		110	120	2400	8200	630	---	---	PACE
MW-1	4/13/00	34.46		15.57	---	18.89	37000		300	32	1000	1700	810	---	---	PACE
MW-1	5/24/00	34.46		11.75	---	22.71	---	---	---	---	---	---	---	---	---	---

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2220 98th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a) DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G / GRO (b) (ug/L)	(s) (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-1	6/1/00	34.46	11.41	---	23.05	---	---	---	---	---	---	---	---	---
MW-1	6/8/00	34.46	11.68	---	22.78	---	---	---	---	---	---	---	---	---
MW-1	6/15/00	34.46	11.85	---	22.61	---	---	---	---	---	---	---	---	---
MW-1	7/26/00	34.46	16.19	---	18.27	10000	480	210	470	710	1100	---	---	PACE
MW-1	10/24/00	34.46	13.89	---	20.57	9900	31	7.2	550	1200	4400	---	---	PACE
MW-1	1/19/01	34.46	12.90	---	21.56	57000	199	7.66	1170	3260	514	---	---	PACE
MW-1	7/24/01	34.46	13.55	---	20.91	27000	96.7	ND<5.0	548	1460	285	---	---	PACE
MW-1	1/18/02	34.46	10.91	---	23.55	25000	150	31.5	597	1040	138	---	---	PACE
MW-1	8/1/2002*	34.46	12.97	---	21.49	25000	80.2	17.7	714	1280	489	---	---	PACE
MW-1 (p)	1/16/03	34.46	10.45	---	24.01	22000	170	110	630	670	ND<500	---	---	SEQ
MW-1 (g)	7/7/03	34.46	12.40	SHEEN	22.06	9900	42	ND<5.0	160	150	24	---	---	SEQ
MW-1	2/5/04	34.46	10.26	---	24.20	6200	56	11	250	210	9.2	---	---	SEQ
MW-2	4/5/91	35.50	16.62	---	18.88	ND<50	0.6	0.9	ND<0.3	ND<0.3	---	---	---	SUP
MW-2	4/1/92	35.50	11.25	---	24.25	---	---	---	---	---	---	---	---	---
MW-2	4/2/92	35.50	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	APP
MW-2	7/6/92	35.50	12.72	---	22.78	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	ANA
MW-2	10/7/92	35.50	15.08	---	20.42	ND<50	ND<0.5	1.8	ND<0.5	2.3	---	---	---	ANA
MW-2	1/14/93	35.50	9.69	---	25.81	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
MW-2	4/22/93	35.50	10.46	---	25.04	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	30	(c)	---	PACE
MW-2	7/15/93	35.50	12.02	---	23.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	21.7	c), (r	---	PACE
MW-2	10/21/93	35.50	13.12	---	22.38	ND<50	0.7	0.9	ND<0.5	0.9	14.9	(m)	---	PACE
MW-2	1/27/94	35.50	12.01	---	23.49	ND<50	0.6	ND<0.5	ND<0.5	ND<0.5	11.5	(m)	---	PACE
MW-2	4/21/94	35.50	10.60	---	24.90	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.4	(m)	1.1	PACE
MW-2	9/9/94	35.50	12.42	---	23.08	ND<50	ND<0.5	ND<0.5	ND<0.5	0.6	---	(m)	2.2	PACE
MW-2	12/21/94	35.50	10.85	---	24.65	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	1.2	PACE
MW-2	1/30/95	35.50	8.38	---	27.12	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	1.7	ATI
MW-2	4/10/95	35.50	9.00	---	26.50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	7.8	ATI
MW-2	6/29/95	35.50	9.91	---	25.59	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	9.1	ATI
MW-2	9/18/95	35.50	10.98	---	24.52	---	---	---	---	---	---	---	---	---
MW-2	9/19/95	35.50	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	7.2	ATI
MW-2	12/7/95	35.50	12.30	---	23.20	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	2.4	ATI
MW-2	3/28/96	35.50	8.57	---	26.93	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	3.2	SPL
MW-2	6/20/96	35.50	9.77	---	25.73	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.2	SPL
MW-2	10/11/96	35.50	13.32	---	22.18	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	6.3	SPL
MW-2	1/2/97	35.50	9.60	---	25.90	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	6.7	SPL
MW-2	4/14/97	35.50	10.93	---	24.57	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	5.7	SPL

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WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a) DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b) TPH-G / GRO (ug/L)	(s) B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-2	7/2/97	35.50	12.57	---	22.93	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.9	SPL
MW-2	9/30/97	35.50	12.91	---	22.59	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.3	SPL
MW-2	1/21/98	35.50	10.12	---	25.38	160	ND<0.5	ND<1.0	ND<1.0	ND<1.0	100	5.4	SPL
MW-2	4/9/98	35.50	6.82	---	28.68	---	---	---	---	---	---	---	---
MW-2	4/10/98	35.50	---	---	---	ND<50	1.0	ND<1.0	ND<1.0	ND<1.0	23	5.0	SPL
MW-2	6/19/98	35.50	9.00	---	26.50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.9	SPL
MW-2	11/30/98	35.50	9.44	---	26.06	---	---	---	---	---	---	---	---
MW-2	1/21/99	35.50	8.96	---	26.54	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.9	---	SPL
MW-2	4/30/99	35.50	9.15	---	26.35	---	---	---	---	---	---	---	---
MW-2	7/9/99	35.50	10.82	---	24.68	---	---	---	---	---	---	---	---
MW-2	11/3/99	35.50	11.86	---	23.64	---	---	---	---	---	---	---	---
MW-2	1/12/00	35.50	12.35	---	23.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-2	4/13/00	35.50	13.01	---	22.49	---	---	---	---	---	---	---	---
MW-2	7/26/00	35.50	13.01	---	22.49	---	---	---	---	---	---	---	---
MW-2	10/24/00	35.50	11.57	---	23.93	---	---	---	---	---	---	---	---
MW-2	1/19/01	35.50	10.52	---	24.98	---	---	---	---	---	---	---	---
MW-2	7/24/01	35.50	11.13	---	24.37	---	---	---	---	---	---	---	---
MW-2	1/18/02	35.50	8.85	---	26.65	---	---	---	---	---	---	---	---
MW-2	8/1/2002*	35.50	10.47	---	25.03	---	---	---	---	---	---	---	---
MW-2	1/14/03	35.50	8.49	---	27.01	---	---	---	---	---	---	---	---
MW-2	7/7/03	35.50	9.63	---	25.87	---	---	---	---	---	---	---	---
MW-2	2/5/04	35.50	8.40	---	27.10	---	---	---	---	---	---	---	---
MW-3	4/5/91	36.53	17.84	---	18.69	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	SUP
MW-3	4/1/92	36.53	15.64	---	20.89	---	---	---	---	---	---	---	---
MW-3	4/2/92	36.53	---	---	---	ND<50	1.4	ND<0.5	ND<0.5	ND<0.5	---	---	APP
MW-3	7/6/92	36.53	19.03	---	17.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
MW-3	10/7/92	36.53	21.83	---	14.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
MW-3	1/14/93	36.53	15.96	---	20.57	350	ND<0.5	ND<0.5	ND<0.5	ND<0.5	714	c), (tr	PACE
MW-3	4/22/93	36.53	16.20	---	20.33	2800	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3600	c), (tr	PACE
MW-3	7/15/93	36.53	16.82	---	19.71	1400	1.2	ND<0.5	2.0	3.5	2204	c), (tr	PACE
MW-3	10/21/93	36.53	18.84	---	17.69	370	2.1	2.3	2.3	6.0	847	c), (tr	PACE
MW-3	1/27/94	36.53	18.00	---	18.53	1300	6.3	ND<0.5	ND<0.5	ND<0.5	3892	c), (tr	PACE
MW-3	4/21/94	36.53	16.62	---	19.91	2000	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3864	c), (tr	PACE
MW-3	9/9/94	36.53	18.38	---	18.15	1300	ND<0.5	ND<0.5	0.5	1.2	---	(m)	3.0 PACE
MW-3	12/21/94	36.53	15.28	---	21.25	420	16	0.7	3.5	5.9	800	(m)	1.9 PACE
MW-3	1/30/95	36.53	12.62	---	23.91	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	2.5	ATI

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WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a) DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G / GRO (ug/L)	(s) B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-3	4/10/95	36.53	12.41	---	24.12	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	6.9	ATI
MW-3	6/29/95	36.53	14.95	---	21.58	100	(d) ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	6.4	ATI
MW-3	9/18/95	36.53	15.82	---	20.71	---	---	---	---	---	---	---	---
MW-3	9/19/95	36.53	---	---	---	82	ND<0.50	ND<0.50	ND<0.50	ND<1.0	260	7.0	ATI
MW-3	12/7/95	36.53	17.09	---	19.44	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	91	4.5	ATI
MW-3	3/28/96	36.53	11.90	---	24.63	ND<50	ND<0.5	ND<1	ND<1	ND<1	230	4.2	SPL
MW-3	6/20/96	36.53	12.66	---	23.87	260	ND<0.5	ND<1	ND<1	ND<1	370	4.4	SPL
MW-3	10/11/96	36.53	16.23	---	20.30	330	ND<0.5	ND<1.0	ND<1.0	ND<1.0	440	5.8	SPL
MW-3	1/2/97	36.53	12.17	---	24.36	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	140	6.0	SPL
MW-3	4/14/97	36.53	13.45	---	23.08	---	---	---	---	---	---	---	---
MW-3	4/15/97	36.53	---	---	---	1500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1800	5.6	SPL
MW-3	7/2/97	36.53	15.60	---	20.93	880	ND<0.5	ND<1.0	ND<1.0	ND<1.0	940	5.3	SPL
MW-3	9/30/97	36.53	17.16	---	19.37	40000	13000	2400	870	3100	510	6.6	SPL
MW-3	1/21/98	36.53	11.77	---	24.76	120	ND<0.5	ND<1.0	ND<1.0	ND<1.0	98	4.7	SPL
MW-3	4/9/98	36.53	9.42	---	27.11	950	ND<0.5	ND<1.0	ND<1.0	ND<1.0	890	5.7	SPL
MW-3	6/19/98	36.53	12.09	---	24.44	1800	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1900	4.7	SPL
MW-3	6/19/98	36.53	15.28	---	21.25	1800	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1900	4.7	SPL
MW-3	1/21/99	36.53	14.67	---	21.86	1100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1200	---	SPL
MW-3	4/30/99	36.53	16.00	---	20.53	---	---	---	---	---	---	---	---
MW-3	7/9/99	36.53	14.64	---	21.89	470	ND<1.0	ND<1.0	ND<1.0	ND<1.0	460/470	(g) ---	SPL
MW-3	11/3/99	36.53	16.39	---	20.14	---	---	---	---	---	---	---	---
MW-3	1/12/00	36.53	16.80	---	19.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	34	---	PACE
MW-3	4/13/00	36.53	16.43	---	20.10	---	---	---	---	---	---	---	---
MW-3	7/26/00	36.53	16.93	---	19.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
MW-3	10/24/00	36.53	15.69	---	20.84	---	---	---	---	---	---	---	---
MW-3	1/19/01	36.53	14.84	---	21.69	ND<50	ND<0.5	ND<0.5	ND<0.5	0.996	25.9	---	PACE
MW-3	7/23/01	36.53	15.11	---	21.42	62	ND<0.5	ND<0.5	ND<0.5	ND<1.5	28.7	---	PACE
MW-3	1/18/02	36.53	12.37	---	24.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	17.8	---	PACE
MW-3	8/1/2002*	36.53	14.44	---	22.09	66	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	---	PACE
MW-3 (p)	1/16/03	36.53	12.07	---	24.46	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	---	SEQ
MW-3 (q)	7/7/03	36.53	13.90	---	22.63	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.8	---	SEQ
MW-3	2/5/04	36.53	12.60	---	23.93	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.6	---	SEQ
AW-1	4/5/91	38.11	25.44	---	12.67	4100	1500	69	100	83	---	---	SUP
AW-1	4/1/92	38.11	23.22	---	14.89	---	---	---	---	---	---	---	---
AW-1	4/2/92	38.11	---	---	---	11000	1800	210	210	490	---	---	APP
AW-1	7/6/92	38.11	24.89	---	13.22	6500	4000	40	290	530	---	---	ANA

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AW-1	10/7/92	38.11		26.55	---	11.56	4700		1500	41	47	300	---	---	ANA
QC-1 (e)	10/7/92	---		---	---	---	2900		1200	25	37	210	---	---	ANA
AW-1	1/14/93	38.11		23.73	---	14.38	2800		830	31	140	240	---	(m)	PACE
QC-1 (e)	1/14/93	---		---	---	---	4100		1700	28	130	230	---	(m)	PACE
AW-1	4/22/93	38.11		---	---	38.11	39000		14000	530	1800	6100	987	c), (r	PACE
AW-1	7/15/93	38.11		22.50	---	15.61	6200		2200	28	210	540	838	c), (r	PACE
AW-1	10/21/93	38.11		24.32	---	13.79	2400		820	13	55	120	832	c), (r	PACE
AW-1	1/27/94	38.11		23.72	---	14.39	3500		1400	26	130	220	650	c), (n	PACE
AW-1	4/21/94	38.11		22.48	---	15.63	40000		12000	1900	1600	5000	1119	(m)	1.4 PACE
AW-1	9/9/94	38.11		23.04	---	15.07	3500		1600	5.0	200	250	---	(m)	2.1 PACE
QC-1 (e)	9/9/94	---		---	---	---	3900		1900	5.5	190	240	---	---	PACE
AW-1	12/21/94	38.11		21.70	---	16.41	7600		3100	36	370	320	855	(m)	1.6 PACE
AW-1	1/30/95	38.11		17.71	---	20.40	35000		23000	650	3200	4100	---	---	1.7 ATI
AW-1	4/10/95	38.11		20.04	---	18.07	60000		18000	2000	4300	11000	---	---	7.9 ATI
QC-1 (e)	4/10/95	---		---	---	---	56000		17000	2000	3900	10000	---	---	ATI
AW-1	6/29/95	38.11		20.60	---	17.51	72000		10000	7300	4200	15000	---	---	6.2 ATI
QC-1 (e)	6/29/95	---		---	---	---	86000		12000	8400	4800	18000	---	---	ATI
AW-1	9/18/95	38.11		21.87	---	16.24	---		---	---	---	---	---	---	---
AW-1	9/19/95	38.11		---	---	---	65000		12000	3100	4400	14000	1000	---	8.5 ATI
AW-1	12/7/95	38.11		22.06	---	16.05	25000		8700	ND<50	2500	1300	1100	---	2.9 ATI
AW-1	3/28/96	38.11		16.91	---	21.20	24000		11000	ND<100	3200	3390	ND<1000	---	6.6 SPL
AW-1	6/20/96	38.11		20.82	---	17.29	38000		6900	1100	3200	7300	ND<100	---	6.4 SPL
AW-1	10/11/96	38.11		23.20	---	14.91	33000		8500	69	3300	4230	580	---	6.3 SPL
AW-1	1/2/97	38.11		20.41	---	17.70	32000		8000	ND<50	3100	2300	700	---	6.7 SPL
AW-1	4/14/97	38.11		21.61	---	16.50	---		---	---	---	---	---	---	---
AW-1	4/15/97	38.11		---	---	---	31000		5000	160	2400	4540	340	---	5.4 SPL
AW-1	7/2/97	38.11		21.17	---	16.94	26000		5800	ND<100	2600	2200	ND<1000	---	6.2 SPL
AW-1	9/30/97	38.11		21.48	---	16.63	29000		9200	17	1400	130	560	---	6.9 SPL
AW-1	1/21/98	38.11		20.02	---	18.09	50000		6900	450	3200	4450	720	---	5.8 SPL
AW-1	4/9/98	38.11		13.37	---	24.74	---		---	---	---	---	---	---	---
AW-1	4/10/98	38.11		---	---	---	46000		5800	1900	3000	7400	1000	---	4.3 SPL
AW-1	6/19/98	38.11		19.12	---	18.99	42000		6600	200	3000	3350	660	---	4.9 SPL
QC-1 (e)	6/19/98	---		---	---	---	43000		6800	260	3100	3490	620	---	SPL
AW-1	11/30/98	38.11		21.13	---	16.98	23000		6700	ND<25	3100	130	710/820	(g)	---
AW-1	1/21/99	38.11		20.77	---	17.34	25000		4800	54	2800	780	1000	---	SPL
AW-1	4/30/99	38.11		20.80	---	17.31	21000		5300	67	2800	750	1500	---	SPL
AW-1	7/9/99	38.11		20.41	---	17.70	11000		3000	ND<10	760	180	1300	---	SPL

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AW-1	11/3/99	38.11	20.82	---	17.29	---	---	---	---	---	---	---	---
AW-1	1/12/00	38.11	19.99	---	18.12	330000	5300	10	2900	560	2200	---	PACE
AW-1	4/13/00	38.11	20.14	---	17.97	---	---	---	---	---	---	---	---
AW-1	5/24/00	38.11	20.17	---	17.94	---	---	---	---	---	---	---	---
AW-1	6/1/00	38.11	23.05	---	15.06	---	---	---	---	---	---	---	---
AW-1	6/8/00	38.11	17.08	---	21.03	---	---	---	---	---	---	---	---
AW-1	6/15/00	38.11	16.93	---	21.18	---	---	---	---	---	---	---	---
AW-1	7/26/00	38.11	20.07	---	18.04	15000	290	98	77	220	37000	---	PACE
AW-1	10/24/00	38.11	20.10	---	18.01	---	---	---	---	---	---	---	---
AW-1	1/19/01	38.11	19.82	---	18.29	7600	2220	10.9	415	58.4	1630	---	PACE
AW-1	7/24/01	38.11	19.86	---	18.25	9600	2140	6.34	281	43	1440	---	PACE
AW-1	1/18/02	38.11	15.60	---	22.51	20000	2170	75.2	1800	2080	1250	---	PACE
AW-1	8/1/2002*	38.11	19.55	---	18.56	14000	2150	ND<12.5	197	42.4	1120	---	PACE
AW-1 (p)	1/16/03	38.11	16.32	---	21.79	15000	2300	75	1600	1800	1100	---	SEQ
AW-1 (q)	7/7/03	38.11	19.80	SHEEN	18.31	9700	1600	ND<25	540	110	1100	---	SEQ
AW-1	2/5/04	38.11	18.75	---	19.36	12000	2000	ND<50	820	590	930	---	SEQ
AW-2	4/5/91	36.83	22.36	---	14.47	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---	---	SUP
AW-2	4/1/92	36.83	20.81	---	16.02	---	---	---	---	---	---	---	---
AW-2	4/2/92	36.83	---	---	---	130	25	2.3	0.7	2.1	---	---	APP
AW-2	7/6/92	36.83	23.57	---	13.26	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
AW-2	10/7/92	36.83	25.24	---	11.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
AW-2	1/14/93	36.83	20.82	---	16.01	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	PACE
AW-2	4/22/93	36.83	19.37	---	17.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	PACE
AW-2	7/15/93	36.83	21.29	---	15.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	PACE
AW-2	10/21/93	36.83	23.14	---	13.69	ND<50	1.3	1.1	0.9	2.1	ND<5.0	(m)	PACE
AW-2	1/27/94	36.83	22.34	---	14.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	PACE
AW-2	4/21/94	36.83	21.15	---	15.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	2.0 PACE
AW-2	9/9/94	36.83	22.09	---	14.74	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	4.1 PACE
AW-2	12/21/94	36.83	20.12	---	16.71	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	2.0 PACE
AW-2	1/30/95	36.83	16.65	---	20.18	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	2.5	ATI
AW-2	4/10/95	36.83	16.22	---	20.61	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	4.4	ATI
AW-2	6/29/95	36.83	17.55	---	19.28	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	7.8	ATI
AW-2	9/18/95	36.83	19.87	---	16.96	---	---	---	---	---	---	---	---
AW-2	9/19/95	36.83	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	4.5	ATI
QC-1 (e)	9/19/95	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	ATI
AW-2	12/7/95	36.83	21.31	---	15.52	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	4.9	ATI

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AW-2	3/28/96	36.83	15.61	---	21.22	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	4.1	SPL
AW-2	6/20/96	36.83	16.30	---	20.53	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	5.2	SPL
AW-2	10/11/96	36.83	19.60	---	17.23	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.0	SPL
AW-2	1/2/97	36.83	15.97	---	20.86	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.1	SPL
AW-2	4/14/97	36.83	17.19	---	19.64	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.3	SPL
AW-2	7/2/97	36.83	18.11	---	18.72	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.7	SPL
AW-2	9/30/97	36.83	18.52	---	18.31	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	860	5.4	SPL
AW-2	1/21/98	36.83	14.46	---	22.37	160	13	ND<1.0	ND<1.0	ND<1.0	110	4.9	SPL
AW-2	4/9/98	36.83	12.85	---	23.98	---	---	---	---	---	---	---	---
AW-2	4/10/98	36.83	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	3.9	SPL
AW-2	6/19/98	36.83	14.37	---	22.46	60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	3.6	SPL
AW-2	11/30/98	36.83	16.90	---	19.93	---	---	---	---	---	---	---	---
AW-2	1/21/99	36.83	16.87	---	19.96	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	SPL
AW-2	4/30/99	36.83	17.01	---	19.82	---	---	---	---	---	---	---	---
AW-2	7/9/99	36.83	17.83	---	19.00	---	---	---	---	---	---	---	---
AW-2	11/3/99	36.83	19.74	---	17.09	---	---	---	---	---	---	---	---
AW-2	1/12/00	36.83	19.90	---	16.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
AW-2	4/13/00	36.83	19.75	---	17.08	---	---	---	---	---	---	---	---
AW-2	7/26/00	36.83	19.86	---	16.97	---	---	---	---	---	---	---	---
AW-2	10/24/00	36.83	18.77	---	18.06	---	---	---	---	---	---	---	---
AW-2 (f)	1/19/01	36.83	---	---	---	---	---	---	---	---	---	---	---
AW-2 (f)	7/24/01	36.83	---	---	---	---	---	---	---	---	---	---	---
AW-2	1/18/02	36.83	15.17	---	21.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	---	PACE
AW-2	8/1/2002*	36.83	17.17	---	19.66	---	---	---	---	---	---	---	---
AW-2 (p)	1/16/03	36.83	14.81	---	22.02	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	---	SEQ
AW-2	7/7/03	36.83	16.65	---	20.18	---	---	---	---	---	---	---	---
AW-2	2/5/04	36.83	15.37	---	21.46	ND<50	3.0	ND<0.50	ND<0.50	ND<0.50	5.1	---	SEQ

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WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a) DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b) TPH-G / GRO (ug/L)	(s) B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-3	4/5/91	39.13	23.90	---	15.23	5200	980	450	95	310	---	---	SUP
AW-3	4/1/92	39.13	22.50	---	16.63	4700	890	47	43	110	---	---	APP
AW-3	7/6/92	39.13	23.26	---	15.87	3900	3100	30	80	99	---	---	ANA
AW-3	10/7/92	39.13	24.75	---	14.38	5000	2600	ND<0.5	ND<0.5	59	---	---	ANA
AW-3	1/14/93	39.13	23.59	---	15.54	350	250	ND<0.5	ND<0.5	ND<0.5	---	(m)	PACE
AW-3	4/22/93	39.13	19.42	---	19.71	240	71	2.4	0.6	4.0	---	(m)	PACE
AW-3	7/15/93	39.13	20.09	---	19.04	650	71	2.8	1.5	1.1	37.3	c), (r	PACE
AW-3	10/21/93	39.13	21.88	---	17.25	160	4.8	1.7	1.6	3.6	8.95	(m)	PACE
QC-1 (e)	10/21/93	---	---	---	---	170	6.1	2.0	1.7	4.4	---	---	PACE
AW-3	1/27/94	39.13	22.33	---	16.80	92	2.1	ND<0.5	ND<0.5	ND<0.5	7.37	(m)	PACE
QC-1 (e)	1/27/94	---	---	---	---	90	2.9	0.5	ND<0.5	ND<0.5	---	---	PACE
AW-3	4/21/94	39.13	20.96	---	18.17	150	3.6	0.8	0.9	2.5	9.36	(m)	1.3 PACE
AW-3	9/9/94	39.13	21.60	---	17.53	53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	1.9 PACE
AW-3 (f)	12/21/94	39.13	---	---	---	---	---	---	---	---	---	---	---
AW-3 (f)	1/30/95	39.13	---	---	---	---	---	---	---	---	---	---	---
AW-3 (f)	4/10/95	39.13	---	---	---	---	---	---	---	---	---	---	---
AW-3	6/29/95	39.13	15.41	---	23.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	8.0	ATI
AW-3	9/18/95	39.13	17.83	---	21.30	---	---	---	---	---	---	---	---
AW-3	9/19/95	39.13	---	---	---	61000	11000	2900	4100	13000	790	7.4	ATI
AW-3	12/7/95	39.13	19.27	---	19.86	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	3.4	ATI
QC-1 (e)	12/7/95	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	ATI
AW-3	3/28/96	39.13	13.85	---	25.28	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	4.1	SPL
QC-1 (e)	3/28/96	---	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	SPL
AW-3	6/20/96	39.13	14.47	---	24.66	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	4.2	SPL
QC-1 (e)	6/20/96	---	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	SPL
AW-3	10/11/96	39.13	17.97	---	21.16	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.7	SPL
QC-1 (e)	10/11/96	---	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	SPL
AW-3	1/2/97	39.13	13.00	---	26.13	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.6	SPL
AW-3	4/14/97	39.13	14.36	---	24.77	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.0	SPL
QC-1 (e)	4/15/97	---	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	SPL
AW-3	7/2/97	39.13	15.87	---	23.26	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.4	SPL
AW-3	9/30/97	39.13	17.50	---	21.63	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	810	5.7	SPL
AW-3	1/21/98	39.13	11.98	---	27.15	140	ND<0.5	ND<1.0	ND<1.0	ND<1.0	99	4.6	SPL
QC-1 (e)	1/21/98	---	---	---	---	150	ND<0.5	ND<1.0	ND<1.0	1.2	110	---	SPL
AW-3	4/9/98	39.13	9.45	---	29.68	---	---	---	---	---	---	---	---
AW-3	4/10/98	39.13	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	1.6	ND<10	4.5	SPL

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WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	DTW (a) (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G / GRO (b) (ug/L)	B (s) (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB	
QC-1	(e) 4/10/98	---	---	---	---	ND<50	ND<0.5	ND<1.0	1.4	1.7	ND<10	---	SPL	
AW-3	6/19/98	39.13	12.13	---	27.00	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.4	SPL	
AW-3	11/30/98	39.13	15.91	---	23.22	---	---	---	---	---	---	---	---	
AW-3	1/21/99	39.13	15.93	---	23.20	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	SPL	
AW-3	4/30/99	39.13	15.98	---	23.15	---	---	---	---	---	---	---	---	
AW-3	7/9/99	39.13	14.58	---	24.55	---	---	---	---	---	---	---	---	
AW-3	11/3/99	39.13	17.43	---	21.70	---	---	---	---	---	---	---	---	
AW-3	1/12/00	39.13	18.30	---	20.83	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE	
AW-3	4/13/00	39.13	18.89	---	20.24	---	---	---	---	---	---	---	---	
AW-3	7/26/00	39.13	18.67	---	20.46	---	---	---	---	---	---	---	---	
AW-3	10/24/00	39.13	18.98	---	20.15	---	---	---	---	---	---	---	---	
AW-3	1/19/01	39.13	16.74	---	22.39	---	---	---	---	---	---	---	---	
AW-3	7/24/01	39.13	18.55	---	20.58	---	---	---	---	---	---	---	---	
AW-3	1/18/02	39.13	14.49	---	24.64	---	---	---	---	---	---	---	---	
AW-3	8/1/2002*	39.13	14.27	---	24.86	---	---	---	---	---	---	---	---	
AW-3	1/16/03	39.13	14.25	---	24.88	---	---	---	---	---	---	---	---	
AW-3	7/7/03	39.13	14.70	---	24.43	---	---	---	---	---	---	---	---	
AW-3	2/5/04	39.13	14.61	---	24.52	---	---	---	---	---	---	---	---	
AW-4	4/5/91	39.08	25.12	---	13.96	110000	40000	13000	2000	5500	---	---	SUP	
AW-4	4/1/92	39.08	23.56	---	15.52	230000	57000	31000	2900	7600	---	---	APP	
QC-1	(e) 4/1/92	---	---	---	---	210000	55000	23000	2900	7000	---	---	APP	
AW-4	7/6/92	39.08	25.87	---	13.21	38000	16000	5400	2000	6100	---	---	ANA	
AW-4	10/7/92	39.08	27.53	---	11.55	120000	41000	26000	4700	13000	---	---	ANA	
AW-4	1/14/93	39.08	24.12	---	14.96	62000	18000	14000	2700	7700	1400	c), (r	PACE	
AW-4	4/22/93	39.08	21.47	---	17.61	18000	1100	2100	320	3500	---	(m)	PACE	
AW-4	7/15/93	39.08	23.30	---	15.78	21000	820	2300	590	3800	1978	c), (r	PACE	
AW-4	10/21/93	39.08	25.08	---	14.00	11000	570	83	630	2300	4600	c), (r	PACE	
AW-4	1/27/94	39.08	24.61	---	14.47	12000	420	460	600	2200	6400	c), (r	PACE	
AW-4	4/21/94	39.08	22.96	---	16.12	12000	110	250	150	1900	16010	c), (r	1.5 PACE	
QC-1	(e) 4/21/94	---	---	---	---	14000	71	160	29	1200	13000	(c)	---	PACE
AW-4	9/9/94	39.08	23.85	---	15.23	9700	75	64	280	2000	---	(m)	2.1 PACE	
AW-4	(f) 12/21/94	39.08	---	---	---	---	---	---	---	---	---	---	---	
AW-4	(f) 1/30/95	39.08	---	---	---	---	---	---	---	---	---	---	---	
AW-4	4/10/95	39.08	18.07	---	21.01	3700	69	8.7	44	130	---	8.5	ATI	

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AW-4	6/29/95	39.08	19.25	---	19.83	8000	62	190	190	1100	---	7.5	ATI
AW-4	9/18/95	39.08	20.73	---	18.35	---	---	---	---	---	---	---	---
AW-4	9/19/95	39.08	---	---	---	12000	660	1600	200	1900	7100	8.3	ATI
AW-4	12/7/95	39.08	22.49	---	16.59	41000	8400	7200	710	6300	5200	3.6	ATI
AW-4 (f)	3/28/96	39.08	16.49	---	22.59	---	---	---	---	---	---	---	---
AW-4	6/20/96	39.08	16.00	---	23.08	ND<50	ND<0.5	ND<1	ND<1	ND<1	12	---	SPL
AW-4	10/11/96	39.08	19.52	---	19.56	36000	12000	5500	ND<25	3800	880/1000 (g)	6.2	SPL
AW-4	1/2/97	39.08	15.80	---	23.28	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	22	6.4	SPL
QC-1 (c)	1/2/97	---	---	---	---	ND<50	61	3.8	3.5	8.1	110	---	SPL
AW-4	4/14/97	39.08	17.01	---	22.07	---	---	---	---	---	---	---	---
AW-4	4/15/97	39.08	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.4	SPL
AW-4	7/2/97	39.08	19.68	---	19.40	ND<50	21	ND<1.0	ND<1.0	ND<1.0	41	4.1	SPL
AW-4 (f)	9/30/97	39.08	22.71	---	16.37	---	---	---	---	---	---	---	---
AW-4	1/21/98	39.08	15.89	---	23.19	13000	2900	ND<10	230	314	3100	3.9	SPL
AW-4	4/9/98	39.08	13.50	---	25.58	---	---	---	---	---	---	---	---
AW-4	4/10/98	39.08	---	---	---	890	ND<0.5	ND<1	ND<1	ND<1	730	4.9	SPL
AW-4	6/19/98	39.08	14.75	---	24.33	60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	34	4.3	SPL
AW-4	11/30/98	39.08	19.25	---	19.83	---	---	---	---	---	---	---	---
AW-4	1/21/99	39.08	18.94	---	20.14	3700	830	93	200	360	30	---	---
AW-4	4/30/99	39.08	19.10	---	19.98	---	---	---	---	---	---	---	---
AW-4	7/9/99	39.08	18.93	---	20.15	76000	12000	6600	2000	8700	320	---	SPL
AW-4	11/3/99	39.08	20.65	---	18.43	---	---	---	---	---	---	---	---
AW-4	1/12/00	39.08	21.21	---	17.87	67000	12000	3500	2900	15000	280	---	PACE
AW-4	4/13/00	39.08	21.33	---	17.75	---	---	---	---	---	---	---	---
AW-4	5/24/00	39.08	19.84	---	19.24	---	---	---	---	---	---	---	---
AW-4	6/1/00	39.08	19.04	---	20.04	---	---	---	---	---	---	---	---
AW-4	6/8/00	39.08	18.32	---	20.76	---	---	---	---	---	---	---	---
AW-4	6/15/00	39.08	16.70	---	22.38	---	---	---	---	---	---	---	---
AW-4	7/26/00	39.08	21.50	---	17.58	910	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3500	---	PACE
AW-4	10/24/00	39.08	22.00	---	17.08	---	---	---	---	---	---	---	---
AW-4	1/19/01	39.08	18.97	---	20.11	6600	2460	24	497	534	267	---	PACE
AW-4	7/24/01	39.08	18.55	---	20.53	5100	1080	143	409	827	115	---	PACE
AW-4	1/18/02	39.08	17.22	---	21.86	3900	442	241	157	681	85.3	---	PACE
AW-4 (f)	8/1/2002*	39.08	---	---	---	---	---	---	---	---	---	---	---
AW-4 (p)	1/16/03	39.08	16.85	---	22.23	2900	260	160	120	590	ND<120	---	SEQ
AW-4 (q)	7/7/03	39.08	17.94	---	21.14	600	90	7.9	18	36	56	---	SEQ
AW-4	2/5/04	39.08	16.94	---	22.14	420	40	3.1	15	27	40	---	SEQ

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AW-5	4/5/91	38.51	25.48	---	13.03	420	31	7.5	20	68	---	---	SUP
AW-5	4/1/92	38.51	23.95	---	14.56	---	---	---	---	---	---	---	---
AW-5	4/2/92	38.51	---	---	---	4000	270	63	190	290	---	---	APP
AW-5	7/6/92	38.51	26.48	---	12.03	1400	160	ND<2.5	250	58	---	---	ANA
AW-5	10/7/92	38.51	28.18	---	10.33	360	12	0.6	8.7	5	---	---	ANA
AW-5	1/14/93	38.51	24.15	---	14.36	1700	270	7.5	130	62	---	(m)	PACE
AW-5	4/22/93	38.51	22.43	---	16.08	2700	780	30	220	180	---	(m)	PACE
QC-1 (e)	4/22/93	---	---	---	---	3500	780	29	240	210	---	(m)	PACE
AW-5	7/15/93	38.51	24.31	---	14.20	1300	69	16	67	120	ND<50	(m)	PACE
QC-1 (e)	7/15/93	---	---	---	---	1300	68	8.3	64	99	ND<50	(m)	PACE
AW-5	10/21/93	38.51	26.05	---	12.46	510	9.6	1.5	17	45	75	c), (r)	PACE
AW-5	1/27/94	38.51	26.42	---	12.09	420	3.3	ND<0.5	1.0	0.9	48.9	(m)	PACE
AW-5	4/21/94	38.51	24.36	---	14.15	1000	110	25	56	27	75	c), (r)	1.3 PACE
AW-5	9/9/94	38.51	24.55	---	13.96	210	ND<0.5	ND<0.5	0.5	0.9	---	(m)	2.7 PACE
AW-5	12/21/94	38.51	22.30	---	16.21	410	ND<0.5	20	4.3	1.4	114	(m)	1.1 PACE
QC-1 (e)	12/21/94	---	---	---	---	340	ND<0.5	15	3.3	1.4	104	(m)	PACE
AW-5	1/30/95	38.51	18.88	---	19.63	210	0.6	11	8.8	2	---	---	1.5 ATI
AW-5	4/10/95	38.51	18.44	---	20.07	500	1.4	0.59	6.5	4.3	---	---	8.3 ATI
AW-5	6/29/95	38.51	19.92	---	18.59	490	(d) 1.2	0.58	7.3	2.2	---	---	6.9 ATI
AW-5	9/18/95	38.51	22.15	---	16.36	---	---	---	---	---	---	---	---
AW-5	9/19/95	38.51	---	---	---	260	0.62	ND<0.50	3.1	1.1	110	---	8.2 ATI
AW-5	12/7/95	38.51	23.75	---	14.76	60	ND<0.50	ND<0.50	ND<0.50	ND<1.0	210	---	4.3 ATI
AW-5	3/28/96	38.51	17.76	---	20.75	ND<50	ND<0.5	ND<1	ND<1	ND<1	63	---	3.0 SPL
AW-5	6/20/96	38.51	18.46	---	20.05	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	3.6 SPL
AW-5	10/11/96	38.51	21.84	---	16.67	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.5 SPL
AW-5	1/2/97	38.51	18.01	---	20.50	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.6 SPL
AW-5	4/14/97	38.51	19.35	---	19.16	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	5.1 SPL
AW-5	7/2/97	38.51	20.29	---	18.22	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.0 SPL
AW-5	9/30/97	38.51	23.15	---	15.36	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	1300	---	6.3 SPL
AW-5	1/21/98	38.51	17.33	---	21.18	6100	ND<0.5	2.1	ND<1.0	ND<1.0	3700	---	4.5 SPL
AW-5	4/9/98	38.51	15.25	---	23.26	---	---	---	---	---	---	---	---
AW-5	4/10/98	38.51	---	---	---	3500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3000	---	5.4 SPL
AW-5	6/19/98	38.51	17.39	---	21.12	3300	ND<0.5	ND<1.0	ND<1.0	ND<1.0	2500	---	5.2 SPL
AW-5 (f)	11/30/98	38.51	---	---	---	---	---	---	---	---	---	---	---
AW-5	1/21/99	38.51	21.22	---	17.29	2800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1800	---	SPL
AW-5	4/30/99	38.51	21.50	---	17.01	---	---	---	---	---	---	---	---

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AW-5	7/9/99	38.51	20.15	---	18.36	4000		ND<1.0	ND<1.0	ND<1.0	ND<1.0	3400/3500	(g)	---	SPL
AW-5	11/3/99	38.51	22.04	---	16.47	---		---	---	---	---	---		---	---
AW-5	1/12/00	38.51	22.59	---	15.92	1000	(j)	7.3	30	6.7	40	4600		---	PACE
AW-5	4/13/00	38.51	23.11	---	15.40	---		---	---	---	---	---		---	---
AW-5	7/26/00	38.51	22.72	---	15.79	1800		94	35	5.9	27	16000		---	PACE
AW-5	10/24/00	38.51	20.15	---	18.36	---		---	---	---	---	---		---	---
AW-5	1/19/01	38.51	19.79	---	18.72	2600		ND<0.5	ND<0.5	ND<0.5	ND<0.5	4580		---	PACE
AW-5	7/24/01	38.51	20.17	---	18.34	5400		18.4	17.2	ND<12.5	40.8	5170		---	PACE
AW-5	1/18/02	38.51	17.34	---	21.17	3800		343	0.738	ND<0.5	ND<1.0	3750		---	PACE
AW-5	8/1/2002*	38.51	19.49	---	19.02	5300		ND<12.5	ND<12.5	ND<12.5	ND<25	3470		---	PACE
AW-5 (p)	1/16/03	38.51	17.30	---	21.21	1400		140	ND<10	ND<10	ND<10	1600		---	SEQ
AW-5 (q)	7/7/03	38.51	18.43	---	20.08	1400		ND<10	ND<10	ND<10	ND<10	980		---	SEQ
AW-5	2/5/04	38.51	17.24	---	21.27	1800	(r)	ND<10	ND<10	ND<10	ND<10	810		---	SEQ
AW-6	4/5/91	37.08	22.48	---	14.60	1100		80	19	1.4	230	---		---	SUP
AW-6	4/1/92	37.08	22.50	---	14.58	---		---	---	---	---	---		---	---
AW-6	4/2/92	37.08	---	---	---	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	APP
AW-6	7/6/92	37.08	22.74	---	14.34	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-6	10/7/92	37.08	24.64	---	12.44	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-6	1/14/93	37.08	22.36	---	14.72	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-6	4/22/93	37.08	22.82	---	14.26	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-6	7/15/93	37.08	20.49	---	16.59	ND<50		ND<0.5	ND<0.5	ND<0.5	0.8	ND<5.0	(m)	---	PACE
AW-6	10/21/93	37.08	22.84	---	14.24	ND<50		0.5	0.6	ND<0.5	0.7	ND<5.0	(m)	---	PACE
AW-6	1/27/94	37.08	22.33	---	14.75	ND<50		ND<0.5	0.9	3.1	12	ND<5.0	(m)	---	PACE
AW-6	4/21/94	37.08	20.66	---	16.42	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	1.7	PACE
AW-6	9/9/94	37.08	21.57	---	15.51	ND<50		0.9	ND<0.5	ND<0.5	0.5	---	(m)	2.9	PACE
AW-6	12/21/94	37.08	19.40	---	17.68	ND<50		1.8	0.8	0.8	3.2	5.19	(m)	1.1	PACE
AW-6	1/30/95	37.08	16.74	---	20.34	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		2.2	ATI
QC-1 (e)	1/30/95	---	---	---	---	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
AW-6	4/10/95	37.08	16.01	---	21.07	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		8.6	ATI
AW-6	6/29/95	37.08	17.54	---	19.54	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		6.3	ATI
AW-6	9/18/95	37.08	19.65	---	17.43	---		---	---	---	---	---		---	---
AW-6	9/19/95	37.08	---	---	---	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	25		8.3	ATI
AW-6	12/7/95	37.08	20.35	---	16.73	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<1.0	16		4.7	ATI
AW-6	3/28/96	37.08	14.99	---	22.09	ND<50		ND<0.5	ND<1	ND<1	ND<1	ND<10		4.0	SPL
AW-6	6/20/96	37.08	15.59	---	21.49	ND<50		ND<0.5	ND<1	ND<1	ND<1	ND<10		4.6	SPL
AW-6	10/11/96	37.08	19.09	---	17.99	ND<50		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.3	SPL

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WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a) DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G / GRO (ug/L)	(b) (s)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-6	1/2/97	37.08	15.11	---	21.97	ND<50		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.5	SPL
AW-6	4/14/97	37.08	16.25	---	20.83	ND<50		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	3.9	SPL
AW-6	7/2/97	37.08	17.99	---	19.09	ND<50		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.2	SPL
AW-6	9/30/97	37.08	20.50	---	16.58	ND<50		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.0	SPL
AW-6	1/21/98	37.08	15.72	---	21.36	160		ND<0.5	ND<1.0	ND<1.0	ND<1.0	110	5.0	SPL
AW-6	4/9/98	37.08	13.31	---	23.77	---		---	---	---	---	---	---	---
AW-6	4/10/98	37.08	---	---	---	370		ND<0.5	ND<1.0	ND<1.0	ND<1.0	300	4.3	SPL
AW-6	6/19/98	37.08	15.18	---	21.90	830		2.0	ND<1.0	ND<1.0	ND<1.0	690	4.0	SPL
AW-6 (f)	11/30/98	37.08	---	---	---	---		---	---	---	---	---	---	---
AW-6	1/21/99	37.08	15.78	---	21.30	2300		ND<1.0	ND<1.0	ND<1.0	ND<1.0	1900	---	SPL
AW-6	4/30/99	37.08	16.01	---	21.07	---		---	---	---	---	---	---	---
AW-6	7/9/99	37.08	17.63	---	19.45	---		---	---	---	---	---	---	---
AW-6	11/3/99	37.08	18.42	---	18.66	---		---	---	---	---	---	---	---
AW-6	1/12/00	37.08	19.92	---	17.16	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	2700	---	PACE
AW-6	4/13/00	37.08	19.87	---	17.21	---		---	---	---	---	---	---	---
AW-6	7/26/00	37.08	19.99	---	17.09	---		---	---	---	---	---	---	---
AW-6	10/24/00	37.08	18.12	---	18.96	---		---	---	---	---	---	---	---
AW-6	1/19/01	37.08	17.04	---	20.04	2700		ND<0.5	ND<0.5	ND<0.5	ND<0.5	4850	---	PACE
AW-6	7/24/01	37.08	17.83	---	19.25	---		---	---	---	---	---	---	---
AW-6	1/18/02	37.08	15.54	---	21.54	5500		614	ND<0.5	ND<0.5	ND<1.0	5390	---	PACE
AW-6	8/1/2002*	37.08	16.98	---	20.10	---		---	---	---	---	---	---	---
AW-6 (p)	1/16/03	37.08	15.05	---	22.03	2900		ND<20	ND<20	ND<20	63	2500	---	SEQ
AW-6	7/7/03	37.08	16.58	---	20.50	---		---	---	---	---	---	---	---
AW-6	2/5/04	37.08	15.84	---	21.24	7000	(r)	ND<50	ND<50	ND<50	ND<50	5400	---	SEQ
AW-7	4/5/91	37.60	23.38	---	14.22	ND<50		0.4	0.7	ND<0.3	ND<0.3	---	---	SUP
AW-7	4/1/92	37.60	21.92	---	15.68	---		---	---	---	---	---	---	---
AW-7	4/2/92	37.60	---	---	---	ND<50		ND<0.5	3.2	1.0	5.4	---	---	APP
AW-7	7/6/92	37.60	24.50	---	13.10	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
AW-7	10/7/92	37.60	26.18	---	11.42	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
AW-7	1/14/93	37.60	22.03	---	15.57	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	PACE
AW-7	4/22/93	37.60	21.18	---	16.42	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	PACE
AW-7	7/15/93	37.60	22.09	---	15.51	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	PACE
AW-7	10/21/93	37.60	24.05	---	13.55	51		5.0	4.2	3.5	8.2	ND<5.0	(m)	PACE
AW-7	1/27/94	37.60	23.40	---	14.20	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	PACE
AW-7	4/21/94	37.60	22.24	---	15.36	ND<50		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	PACE
AW-7	9/9/94	37.60	22.94	---	14.66	ND<50		ND<0.5	ND<0.5	ND<0.5	0.5	---	(m)	PACE

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AW-7	12/21/94	37.60	20.86	---	16.74	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	2.2	PACE
AW-7	1/30/95	37.60	17.51	---	20.09	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	2.7	ATI
AW-7	4/10/95	37.60	16.69	---	20.91	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	4.8	ATI
AW-7	6/29/95	37.60	18.33	---	19.27	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	7.6	ATI
AW-7	9/18/95	37.60	20.68	---	16.92	---	---	---	---	---	---	---	---	---
AW-7	9/19/95	37.60	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	5.1	ATI
AW-7	12/7/95	37.60	22.15	---	15.45	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	5.2	ATI
AW-7	3/28/96	37.60	16.38	---	21.22	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	3.9	SPL
AW-7	6/20/96	37.60	17.02	---	20.58	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	5.0	SPL
AW-7	10/11/96	37.60	20.47	---	17.13	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	6.3	SPL
AW-7	1/2/97	37.60	16.70	---	20.90	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	6.2	SPL
AW-7	4/14/97	37.60	17.96	---	19.64	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	5.0	SPL
AW-7	7/2/97	37.60	19.11	---	18.49	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	5.4	SPL
AW-7	9/30/97	37.60	22.97	---	14.63	ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	1100	---	6.5	SPL
AW-7	1/21/98	37.60	16.50	---	21.10	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.9	SPL
AW-7	4/9/98	37.60	13.56	---	24.04	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.9	SPL
AW-7	6/19/98	37.60	15.41	---	22.19	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.4	SPL
AW-7	11/30/98	37.60	18.90	---	18.70	---	---	---	---	---	---	---	---	---
AW-7	1/21/99	37.60	18.39	---	19.21	---	---	---	---	---	---	---	---	---
AW-7	4/30/99	37.60	18.54	---	19.06	---	---	---	---	---	---	---	---	---
AW-7	7/9/99	37.60	17.98	---	19.62	---	---	---	---	---	---	---	---	---
AW-7	11/3/99	37.60	20.22	---	17.38	---	---	---	---	---	---	---	---	---
AW-7	1/12/00	37.60	19.46	---	18.14	---	---	---	---	---	---	---	---	---
AW-7	4/13/00	37.60	19.59	---	18.01	---	---	---	---	---	---	---	---	---
AW-7	7/26/00	37.60	19.69	---	17.91	---	---	---	---	---	---	---	---	---
AW-7	10/24/00	37.60	18.78	---	18.82	---	---	---	---	---	---	---	---	---
AW-7	(f) 1/19/01	37.60	---	---	---	---	---	---	---	---	---	---	---	---
AW-7	(f) 7/25/01	37.60	---	---	---	---	---	---	---	---	---	---	---	---
AW-7	(o) 1/18/02	37.60	---	---	---	---	---	---	---	---	---	---	---	---
AW-7	(o) 8/1/2002*	37.60	---	---	---	---	---	---	---	---	---	---	---	---
AW-7	(o) 1/16/03	37.60	---	---	---	---	---	---	---	---	---	---	---	---
AW-7	(o) 7/7/03	37.60	---	---	---	---	---	---	---	---	---	---	---	---
AW-7	(o) 2/5/04	37.60	---	---	---	---	---	---	---	---	---	---	---	---

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AW-8	4/5/91	40.86	26.68	---	14.18	80	1.9	2.2	0.5	1.3	---	---	SUP
AW-8	4/1/92	40.86	25.11	---	15.75	73	ND<0.5	0.7	ND<0.5	0.6	---	---	APP
AW-8	7/6/92	40.86	26.43	---	14.43	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
AW-8	10/7/92	40.86	28.59	---	12.27	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	ANA
AW-8	1/14/93	40.86	25.55	---	15.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	PACE
AW-8	4/22/93	40.86	22.29	---	18.57	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	PACE
AW-8	7/15/93	40.86	23.42	---	17.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	PACE
AW-8	10/21/93	40.86	25.15	---	15.71	ND<50	1.9	1.8	1.3	3.3	ND<5.0	(m)	PACE
AW-8	1/27/94	40.86	25.42	---	15.44	ND<50	ND<0.5	0.5	0.6	8.5	ND<5.0	(m)	PACE
AW-8	4/21/94	40.86	24.14	---	16.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	1.5 PACE
AW-8	9/9/94	40.86	24.55	---	16.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	2.4 PACE
AW-8	12/21/94	40.86	22.72	---	18.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	1.1 PACE
AW-8	1/30/95	40.86	19.75	---	21.11	ND<50	ND<0.50	1	ND<0.50	1	---	---	0.8 ATI
AW-8	4/10/95	40.86	17.78	---	23.08	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	8.3 ATI
AW-8	6/29/95	40.86	18.18	---	22.68	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	8.3 ATI
AW-8	9/18/95	40.86	20.20	---	20.66	---	---	---	---	---	---	---	---
AW-8	9/19/95	40.86	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	7.7 ATI
AW-8	12/7/95	40.86	21.54	---	19.32	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	4.4 ATI
AW-8	3/28/96	40.86	15.77	---	25.09	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	3.8 SPL
AW-8	6/20/96	40.86	16.41	---	24.45	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	3.6 SPL
AW-8	10/11/96	40.86	19.90	---	20.96	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	6.4 SPL
AW-8	1/2/97	40.86	15.89	---	24.97	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	5.9 SPL
AW-8	4/14/97	40.86	17.07	---	23.79	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.6 SPL
AW-8	7/2/97	40.86	18.67	---	22.19	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	5.6 SPL
AW-8	9/30/97	40.86	22.52	---	18.34	ND<50	ND<5	ND<10	ND<10	ND<10	820	---	6.7 SPL
AW-8	1/21/98	40.86	16.01	---	24.85	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	5.2 SPL
AW-8	4/9/98	40.86	11.18	---	29.68	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.4 SPL
AW-8	6/19/98	40.86	13.01	---	27.85	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.1 SPL
AW-8	11/30/98	40.86	17.46	---	23.40	---	---	---	---	---	---	---	---
AW-8	1/21/99	40.86	17.47	---	23.39	---	---	---	---	---	---	---	---
AW-8	4/30/99	40.86	17.60	---	23.26	---	---	---	---	---	---	---	---
AW-8	7/9/99	40.86	16.50	---	24.36	---	---	---	---	---	---	---	---
AW-8	11/3/99	40.86	19.29	---	21.57	---	---	---	---	---	---	---	---
AW-8	1/12/00	40.86	21.49	---	19.37	---	---	---	---	---	---	---	---
AW-8	4/13/00	40.86	21.60	---	19.26	---	---	---	---	---	---	---	---
AW-8	7/26/00	40.86	21.53	---	19.33	---	---	---	---	---	---	---	---

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Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	DTW (a) (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	TPH-G / GRO (b) (ug/L)	B (s) (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-8	10/24/00	40.86	19.37	---	21.49	---	---	---	---	---	---	---	---
AW-8	1/19/01	40.86	18.60	---	22.26	---	---	---	---	---	---	---	---
AW-8	7/24/01	40.86	18.22	---	22.64	---	---	---	---	---	---	---	---
AW-8	1/18/02	40.86	16.29	---	24.57	---	---	---	---	---	---	---	---
AW-8	8/1/2002*	40.86	17.25	---	23.61	---	---	---	---	---	---	---	---
AW-8	1/16/03	40.86	15.82	---	25.04	---	---	---	---	---	---	---	---
AW-8	7/7/03	40.86	18.55	---	22.31	---	---	---	---	---	---	---	---
AW-8 (t)	2/5/04	40.86	---	---	---	---	---	---	---	---	---	---	---
AW-9	1/2/97	37.78	10.00	---	27.78	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.7	SPL
AW-9 (f)	4/14/97	37.78	---	---	---	---	---	---	---	---	---	---	---
AW-9	7/2/97	37.78	12.71	---	25.07	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.0	SPL
AW-9	9/30/97	37.78	21.22	---	16.56	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.8	SPL
AW-9	1/21/98	37.78	10.26	---	27.52	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.3	SPL
AW-9	4/9/98	37.78	6.77	---	31.01	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.6	SPL
AW-9	6/19/98	37.78	8.96	---	28.82	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.8	SPL
RW-1	4/5/91	37.73	---	---	---	---	---	---	---	---	---	---	---
RW-1	4/1/92	37.73	22.81	0.30	15.15	---	---	---	---	---	---	---	---
RW-1	7/6/92	37.73	26.92	0.41	11.12	---	---	---	---	---	---	---	---
RW-1	10/7/92	37.73	28.51	1.26	10.17	---	---	---	---	---	---	---	---
RW-1	1/14/93	37.73	23.75	0.25	14.17	---	---	---	---	---	---	---	---
RW-1	4/22/93	37.73	22.70	1.38	16.07	---	---	---	---	---	---	---	---
RW-1	7/15/93	37.73	26.10	0.81	12.24	---	---	---	---	---	---	---	---
RW-1	10/21/93	37.73	25.40	0.49	12.70	---	---	---	---	---	---	---	---
RW-1	10/21/93	37.73	25.40	0.49	12.70	---	---	---	---	---	---	---	---
RW-1	1/27/94	37.73	28.02	0.37	9.99	---	---	---	---	---	---	---	---
RW-1	4/21/94	37.73	23.10	0.91	15.31	---	---	---	---	---	---	---	---
RW-1	9/9/94	37.73	24.39	1.04	14.12	---	---	---	---	---	---	---	---
RW-1 (h)	12/21/94	37.73	---	---	---	---	---	---	---	---	---	---	---
RW-1	12/7/95	37.73	25.71	1.04	12.80	150000	34000	35000	4300	21000	2700	---	ATI
RW-1	3/28/96	37.73	16.75	0.18	21.12	---	---	---	---	---	---	---	---
RW-1 (h)	6/20/96	37.73	25.10	0.02	12.65	---	---	---	---	---	---	---	---
RW-1	10/11/96	37.73	25.51	0.00	12.22	130000	20000	32000	2800	20700	1400/1200 (g)	7.4	SPL
RW-1	1/2/97	37.73	24.49	0.01	13.25	---	---	---	---	---	---	---	---
RW-1	4/14/97	37.73	23.99	0.04	13.77	---	---	---	---	---	---	---	---
RW-1	4/15/97	37.73	---	---	---	1800000	38000	190000	48000	281000	ND<25000	---	SPL

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a) DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b) TPH-G / GRO (ug/L)	(s) B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
RW-1	7/2/97	37.73	16.40	0.20	21.48	140000	19000	55000	4400	32400	ND<10000	5.7	SPL
QC-1 (e)	7/2/97	---	---	---	---	130000	19000	54000	4700	33400	ND<10000	---	SPL
RW-1	9/30/97	37.73	27.97	0.02	9.78	110000	13000	22000	2000	12500	1100	7.0	SPL
QC-1 (e)	9/30/97	---	---	---	---	140000	17000	29000	2500	15900	1200	---	SPL
RW-1	1/21/98	37.73	14.14	0.44	23.92	270000	21000	48000	3500	25000	1100	4.8	SPL
RW-1	4/9/98	37.73	25.01	0.05	12.76	---	---	---	---	---	---	---	---
RW-1	4/10/98	37.73	---	---	---	220000	26000	46000	4400	24500	ND<2500	5.1	SPL
RW-1	6/19/98	37.73	11.43	---	26.30	180000	19000	32000	3000	17400	ND<2500	4.6	SPL
RW-1	11/30/98	37.73	7.87	---	29.86	---	---	---	---	---	---	---	---
RW-1	1/21/99	37.73	18.90	0.03	18.85	260000	24000	46000	5100	30000	1700	---	SPL
RW-1	7/9/99	37.73	18.58	0.26	19.36	---	---	---	---	---	---	---	---
RW-1	11/3/99	37.73	20.85	0.60	17.36	160000	19000	37000	3800	25000	1500	---	PACE
RW-1	1/12/00	37.73	21.20	0.23	16.71	240000	18000	46000	5800	26000	2100	---	PACE
RW-1	4/13/00	37.73	21.71	0.11	16.11	120000	2100	33000	2800	28000	1500	---	PACE
RW-1	5/24/00	37.73	21.89	0.24	16.03	---	---	---	---	---	---	---	---
RW-1	6/1/00	37.73	16.30	0.01	21.44	---	---	---	---	---	---	---	---
RW-1	6/8/00	37.73	17.88	0.20	20.01	---	---	---	---	---	---	---	---
RW-1	6/15/00	37.73	16.72	0.04	21.04	---	---	---	---	---	---	---	---
RW-1	6/20/00	37.73	21.04	0.20	16.85	---	---	---	---	---	---	---	---
RW-1	7/7/00	37.73	17.21	0.01	20.53	---	---	---	---	---	---	---	---
RW-1	7/20/00	37.73	21.87	0.18	16.00	---	---	---	---	---	---	---	---
RW-1	7/26/00	37.73	21.45	0.13	16.38	67000	160	5300	2100	18000	1100	---	PACE
RW-1	7/31/00	37.73	22.11	---	15.62	---	---	---	---	---	---	---	---
RW-1	8/8/00	37.73	17.80	0.01	19.94	---	---	---	---	---	---	---	---
RW-1	8/16/00	37.73	17.92	---	19.81	---	---	---	---	---	---	---	---
RW-1	8/23/00	37.73	18.11	0.02	19.64	---	---	---	---	---	---	---	---
RW-1	10/24/00	37.73	18.93	---	18.80	---	---	---	---	---	---	---	---
RW-1 (k)	10/25/00	37.73	19.04	---	18.69	360000	18000	78000	34000	180000	2100	---	PACE
RW-1	1/19/01	37.73	18.19	0.05	19.58	110000	9450	19600	3510	21100	1270	---	PACE
RW-1 (l)	7/24/01	37.73	17.93	---	19.80	---	---	---	---	---	---	---	---
RW-1	1/18/02	37.73	14.87	---	22.86	63000	2060	4370	1770	13900	491	---	PACE
RW-1	8/1/2002*	37.73	16.84	---	20.89	60000	1210	2200	1520	10600	390	---	PACE
RW-1 (p)	1/16/03	37.73	14.42	---	23.31	34000	2500	2700	780	5300	680	---	SEQ
RW-1 (q)	7/7/03	37.73	16.11	SHEEN	21.62	50000	640	280	1600	10000	ND<250	---	SEQ
RW-1	2/5/04	37.73	14.68	---	23.05	11000	92	200	240	1100	100	---	SEQ

Table 1
Groundwater Elevation and Analytical Data
 Former BP Service Station #11133
 2220 98th Avenue, Oakland, CA

ABBREVIATIONS:

TOC	Top of Casing
DTW	Depth to Water
GWE	Groundwater Elevation
GRO	Gasoline Range Organics, C4-C12
TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
DO	Dissolved oxygen
ug/L	Micrograms per liter
ppm	Parts per million
---	Not available/applicable/measurable
ND<	Not detected above the laboratory reporting limit
PACE	Pace, Inc.
SUP	Superior Analytical Laboratories, Inc.
APP	Applied Analytical Laboratory
ANA	Anamatrix, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories
SEQ	Sequoia Analytical

NOTES:

- (a) Top of casing elevations surveyed to the nearest 0.01 foot above mean sea level.
- (b) Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.
- (c) A copy of the documentation for this data is included in Appendix C of Alisto report 10-025-13-003.
- (d) MTBE peak. See documentation in Appendix C of Alisto report 10-025-13-003.
- (e) Blind duplicate.
- (f) Well inaccessible.
- (g) EPA Methods 8020/8260 used.
- (h) Well not monitored and/or sampled due to vapor extraction system.
- (i) Travel blank.
- (j) This gasoline does not include MTBE.
- (k) Well was sampled on a different date from the other wells due to lack of proper equipment.
- (l) Unable to sample due to nature of product.
- (m) A copy of the documentation for this data is included in Blaine Tech Services, Inc., Report 010724-B-2. The data for sampling events January 14, 1993 and April 22, 1993 has been destroyed. No chromatograms could be located for samples AW-2 on January 27, 1994, and for samples AW-1, AW-2, AW-3, AW-4, AW-5, AW-6, AW-7, AW-8, MW-2 and MW-3 on September 9, 1994.
- (n) On June 1, 2001, after reviewing chromatograms, Sequoia reported the value as <5.0.
- (o) Unable to locate well.
- (p) TPH-g data analyzed by EPA Method 8015B modified; BTEX and MTBE by EPA Method 8021B
- (q) TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on the third quarter 2003 sampling event (07/07/03).
- (r) Discrete Peak at C5
- (s) Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.
- (t) Well was not gauged during this quarter due to an oversight by the technician.

Source : The data within this table collected prior to June 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2
Fuel Oxygenate Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID	DATE OF SAMPLING	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-1	7/7/03	ND<1,000	ND<200	24	ND<5.0	ND<5.0	ND<5.0	NA	NA
MW-1	2/5/04	ND<1,000	ND<200	9.2	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
MW-3	7/7/03	ND<100	ND<20	8.8	ND<0.50	ND<0.50	0.65	0.65	0.65
MW-3	2/5/04	ND<100	ND<20	4.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
AW-1	7/7/03	ND<5,000	ND<1,000	1,100	ND<25	ND<25	190	NA	NA
AW-1	2/5/04	ND<10,000	ND<2,000	930	ND<50	ND<50	160	ND<50	ND<50
AW-2	2/5/04	ND<100	ND<20	5.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
AW-4	7/7/03	ND<1,000	ND<200	56	ND<5.0	ND<5.0	ND<5.0	NA	NA
AW-4	2/5/04	ND<200	ND<40	40	ND<1.0	ND<1.0	3.7	ND<1.0	ND<1.0
AW-5	7/7/03	ND<2,000	1,200	980	ND<10	ND<10	210	NA	NA
AW-5	2/5/04	ND<2,000	1,200	810	ND<10	ND<10	160	ND<10	ND<10
AW-6	2/5/04	ND<10,000	ND<2,000	5,400	ND<50	ND<50	1,800	ND<50	ND<50
RW-1	7/7/03	ND<50,000	ND<10,000	ND<250	ND<250	ND<250	ND<250	NA	NA
RW-1	2/5/04	ND<5,000	ND<1,000	100	ND<25	ND<25	ND<25	ND<25	ND<25

Note = All fuel oxygenate compounds analyzed using EPA Method 8260B
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = tert-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
µg/L = micrograms per liter
ND< = Not detected at or above the laboratory reporting limits

Table 2
Fuel Oxygenate Analytical Data
 Former BP Service Station #11133
 2220 98th Avenue, Oakland, CA

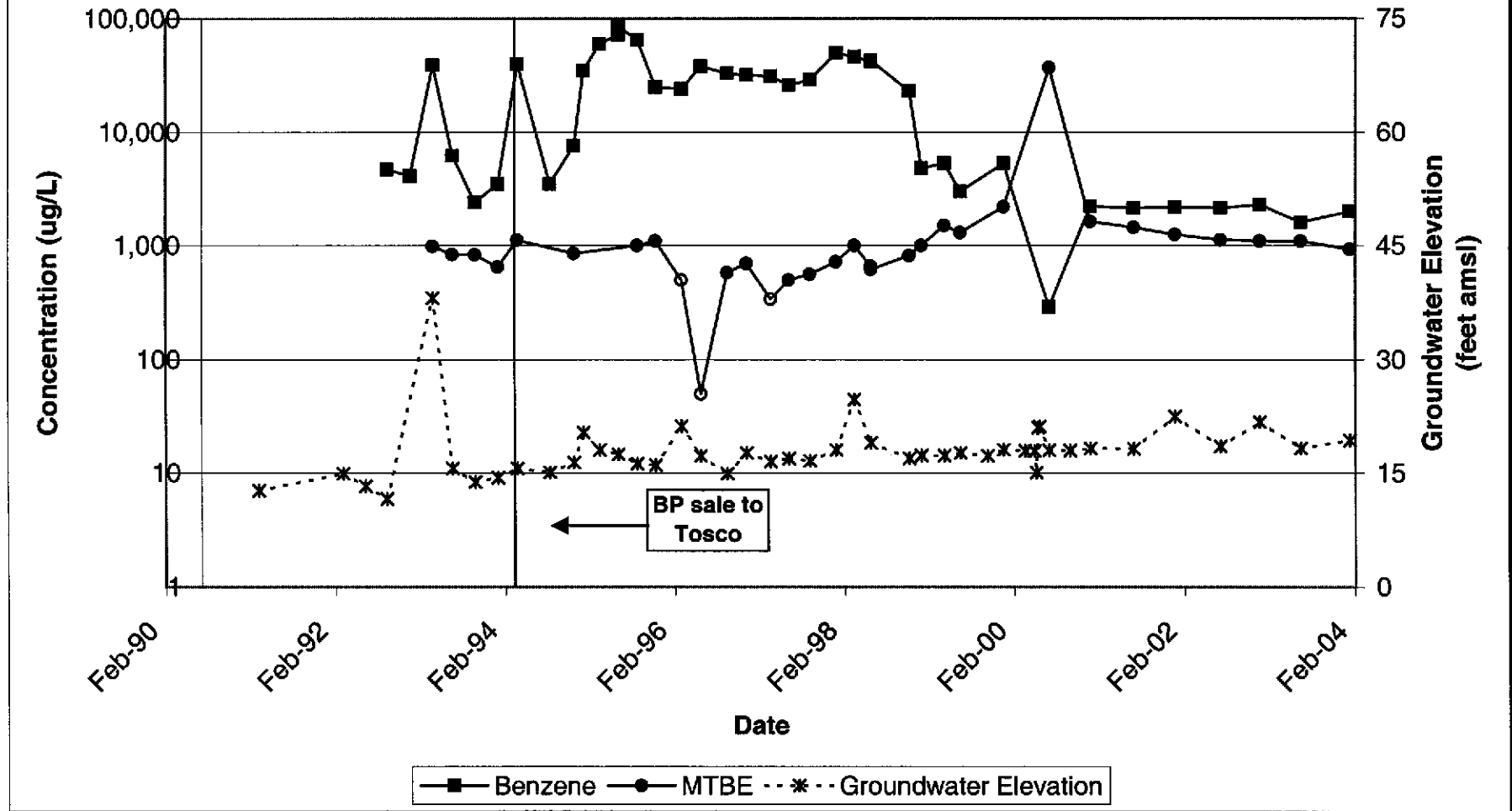
WELL ID	DATE OF SAMPLING	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-1	7/7/03	ND<1,000	ND<200	24	ND<5.0	ND<5.0	ND<5.0	NA	NA
MW-1	2/5/04	ND<1,000	ND<200	9.2	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
MW-3	7/7/03	ND<100	ND<20	8.8	ND<0.50	ND<0.50	0.65	0.65	0.65
MW-3	2/5/04	ND<100	ND<20	4.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
AW-1	7/7/03	ND<5,000	ND<1,000	1,100	ND<25	ND<25	190	NA	NA
AW-1	2/5/04	ND<10,000	ND<2,000	930	ND<50	ND<50	160	ND<50	ND<50
AW-2	2/5/04	ND<100	ND<20	5.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
AW-4	7/7/03	ND<1,000	ND<200	56	ND<5.0	ND<5.0	ND<5.0	NA	NA
AW-4	2/5/04	ND<200	ND<40	40	ND<1.0	ND<1.0	3.7	ND<1.0	ND<1.0
AW-5	7/7/03	ND<2,000	1,200	980	ND<10	ND<10	210	NA	NA
AW-5	2/5/04	ND<2,000	1,200	810	ND<10	ND<10	160	ND<10	ND<10
AW-6	2/5/04	ND<10,000	ND<2,000	5,400	ND<50	ND<50	1,800	ND<50	ND<50
RW-1	7/7/03	ND<50,000	ND<10,000	ND<250	ND<250	ND<250	ND<250	NA	NA
RW-1	2/5/04	ND<5,000	ND<1,000	100	ND<25	ND<25	ND<25	ND<25	ND<25

Note = All fuel oxygenate compounds analyzed using EPA Method 8260B
 TBA = tert-Butyl alcohol
 MTBE = Methyl tert-butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tert butyl ether
 TAME = tert-Amyl methyl ether
 1,2-DCA = 1,2-Dichloroethane
 EDB = 1,2-Dibromoethane
 µg/L = micrograms per liter
 ND< = Not detected at or above the laboratory reporting limits

ATTACHMENT A

CONCENTRATION AND WATER LEVEL TRENDS

Concentration and Water Level Trends Well AW-1



ATTACHMENT B

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 040205-DW-1 Date 2-5-04 Client Arco #11133

Site 2220 98th Ave Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2					10.26	28.35		
MW-2	2					8.40 15.84	31.30		GO
MW-3	2					12.60	34.06		
AW-1	2					18.75	34.20		
AW-2	2					15.37	34.05		
AW-3	2					14.61	35.60		GO
AW-4	2					16.94	32.45		
AW-5	4					17.24	42.60		
AW-6	4					15.84	34.25		
AW-7			unable to locate - road changed			-	-		GO
AW-8	2						37.45		GO
RW-1	6	No GPH detected				14.68	37.70	U	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040205-0W-1</u>	Station # <u>11133</u>
Sampler: <u>Dave W.</u>	Date: <u>2-5-04</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>28.75</u>	Depth to Water: <u>10.26</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
--	---

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>2.9</u>	X	<u>3</u>	=	<u>8.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
<u>12:20</u>	<u>66.6</u>	<u>6.9</u>	<u>460</u>	<u>3</u>	<u>odor</u>
<u>12:24</u>	<u>67.2</u>	<u>6.9</u>	<u>462</u>	<u>6</u>	<u>"</u>
<u>12:28</u>	<u>67.5</u>	<u>6.9</u>	<u>464</u>	<u>9</u>	<u>"</u>

Did well dewater? Yes <input type="checkbox"/> <input checked="" type="checkbox"/> <u>No</u>	Gallons actually evacuated: <u>9</u>
Sampling Time: <u>12:32</u>	Sampling Date: <u>2-5-04</u>
Sample I.D.: <u>MW-1</u>	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <u>TPH-D</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxy's, Ethanol, 1,2-DCA + BDB</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040205-0W-1</u>	Station # <u>11133</u>
Sampler: <u>DAVE W.</u>	Date: <u>2-5-04</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>34.06</u>	Depth to Water: <u>12.60</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer

Middleburg Extraction Port

Electric Submersible Other: _____

Extraction Pump

Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>3.4</u>	X	<u>3</u>	=	<u>10.2</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
<u>11:08</u>	<u>65.6</u>	<u>7.0</u>	<u>249</u>	<u>3.5</u>	<u>clear</u>
<u>11:12</u>	<u>66.2</u>	<u>7.0</u>	<u>214</u>	<u>7.0</u>	<u>"</u>
<u>11:16</u>	<u>66.1</u>	<u>7.0</u>	<u>206</u>	<u>10.5</u>	<u>"</u>

Did well dewater? Yes No Gallons actually evacuated: 10.5

Sampling Time: 11:21 Sampling Date: 2-5-04

Sample I.D.: MW-3 Laboratory: Pace Sequoia Other _____

Analyzed for: TPH-C BTEX MTBE TPH-D Other: Oxy's, Ethanol, 1,2-DCA + EOB

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040205-DW-1</u>	Station # <u>11133</u>
Sampler: <u>Dave W.</u>	Date: <u>2-5-04</u>
Well I.D.: <u>AW-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>34.20</u>	Depth to Water: <u>18.75</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer

Middleburg Extraction Port

Electric Submersible

Extraction Pump

Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>2.5</u>	x	<u>3</u>	=	<u>7.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
12:00	64.7	7.0	470	2.5	odor
12:03	65.5	6.5	512	5.0	"
12:06	65.3	6.7	517	7.5	"

Did well dewater? Yes No Gallons actually evacuated: 7.5

Sampling Time: 12:16 Sampling Date: 2-5-04

Sample I.D.: AW-1 Laboratory: Pace Sequoia Other _____

Analyzed for: TPH-C BTEX MTBE TPH-D Other: Dry's, Ethanol, 1,2-DCA + BDB

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040205-0W-1	Station # 11133
Sampler: Dave W.	Date: 2-5-04
Well I.D.: AW-2	Well Diameter: ② 3 4 6 8 _____
Total Well Depth: 34.05	Depth to Water: 15.37
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer Disposable Bailer Extraction Port Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.0	X	3	=	9	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>μS</u>)	Gals. Removed	Observations
10:11	65.1	6.6	309	3	Brown
10:15	65.6	6.6	270	6	"
10:19	65.7	6.6	263	9	cloudy

Did well dewater? Yes No Gallons actually evacuated: 9

Sampling Time: 10:24 Sampling Date: 2-5-04

Sample I.D.: AW-2 Laboratory: Pace Sequoia Other: _____

Analyzed for: TPH-C BTEX MTBE TPH-D Other: Oxy's, Ethanol, 1,2-DCA + EDB

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040205-0W-1</u>	Station # <u>11133</u>
Sampler: <u>Dave W.</u>	Date: <u>2-5-04</u>
Well I.D.: <u>AW-4</u>	Well Diameter: <u>2</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>3265</u>	Depth to Water: <u>16.94</u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible Extraction Pump Other: <u> </u>	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other: <u> </u>
--	---

Top of Screen: If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>2.5</u>	X	<u>3</u>	=	<u>7.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
10:46	65.9	6.8	535	2.5	odor
10:48	66.3	6.8	612	5.0	"
10:51	66.5	6.8	636	7.5	"

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>7.5</u>	
Sampling Time: <u>10156</u>	Sampling Date: <u>2-5-04</u>	
Sample I.D.: <u>AW-4</u>	Laboratory: Pace <u>Sequoia</u> Other <u> </u>	
Analyzed for: <u>TPH-O</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxy's, Ethanol, 1,2-DCA + BDB</u>		
D.O. (if req'd):	Pre-purge: <u> </u> mg/L	Post-purge: <u> </u> mg/L
O.R.P. (if req'd):	Pre-purge: <u> </u> mV	Post-purge: <u> </u> mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040205-0W-1</u>	Station # <u>11133</u>
Sampler: <u>Dave W.</u>	Date: <u>2-5-04</u>
Well I.D.: <u>AW-5</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 <u> </u>
Total Well Depth: <u>42.60</u>	Depth to Water: <u>17.24</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer

Middleburg Extraction Port

Electric Submersible Other: _____

Extraction Pump

Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>16.5</u>	x	<u>3</u>	=	<u>49.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
11:27	65.0	6.6	287	16.5	cloudy
11:30	66.0	6.7	307	33	
11:33	66.2	6.7	309	49.5	

Did well dewater? Yes No Gallons actually evacuated: 49.5

Sampling Time: 11:37 Sampling Date: 2-5-04

Sample I.D.: AW-5 Laboratory: Pace Sequoia Other: _____

Analyzed for: TPH-C BTEX MTBE TPH-D Other: Oxy's, Ethanol, 1,2-DCA + BDB

D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040205-DW-1</u>	Station # <u>11133</u>
Sampler: <u>Dave W.</u>	Date: <u>2-5-04</u>
Well I.D.: <u>AW-6</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>34.25</u>	Depth to Water: <u>15.84</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input checked="" type="checkbox"/> Electric Submersible Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other: _____
---	--

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>12</u>	x	<u>3</u>	=	<u>36</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μS)	Gals. Removed	Observations
<u>11:44</u>	<u>66.5</u>	<u>6.7</u>	<u>257</u>	<u>12</u>	<u>clear/odor</u>
<u>11:46</u>	<u>66.6</u>	<u>6.7</u>	<u>259</u>	<u>24</u>	
<u>11:49</u>	<u>66.8</u>	<u>6.7</u>	<u>262</u>	<u>36</u>	

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Gallons actually evacuated: <u>36</u>
Sampling Time: <u>11:53</u>	Sampling Date: <u>2-5-04</u>
Sample I.D.: <u>AW-6</u>	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <u>TPH-O</u> <u>BTEX</u> MTBE TPH-D Other: <u>Oxy's, Ethanol, 1,2-DCP + UDB</u>	
D.O. (if req'd):	Pre-purge: _____ mg/L Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>040205-0W-1</u>	Station # <u>11133</u>
Sampler: <u>DAVE W.</u>	Date: <u>2-5-04</u>
Well I.D.: <u>RW-1</u>	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: <u>37.70</u>	Depth to Water: <u>14.68</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Purge Method: <input type="checkbox"/> Bailor <input type="checkbox"/> Disposable Bailor <input type="checkbox"/> Middleburg <input checked="" type="checkbox"/> Electric Submersible Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailor <input checked="" type="checkbox"/> Disposable Bailor Extraction Port Other: _____
---	--

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

<u>33.8</u>	x	<u>3</u>	=	<u>101.4</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
<u>12:49</u>	<u>68.6</u>	<u>6.7</u>	<u>424</u>	<u>34</u>	<u>Strong odor</u>
	<u>well dewatered @</u>		<u>50 gal</u>	<u>78</u>	<u>DTW = 35.70</u>
<u>13:00</u>	<u>67.3</u>	<u>6.7</u>	<u>432</u>	<u>102-</u>	

Did well dewater? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Gallons actually evacuated: <u>50</u>
Sampling Time: <u>13:00</u>	Sampling Date: <u>2-5-04</u>
Sample I.D.: <u>RW-1</u>	Laboratory: Pace <u>Sequoia</u> Other _____
Analyzed for: <input checked="" type="checkbox"/> TPH-O <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> TPH-D	Other: <u>Oxy's, Ethanol</u>
D.O. (if req'd):	Pre-purge: _____ mg/L Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV Post-purge: _____ mV

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD BILL OF LADING FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is PLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This Source Record BILL OF LADING was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

Station # 11133

Station Address 2220 98th Ave Oakland

Total Gallons Collected From Groundwater Monitoring Wells:
180

added equip. any other
rinse water 5 adjustments _____

TOTAL GALS. loaded onto
RECOVERED 185 BTS vehicle # 47

BTS event # time date
040205-DW-1 13:00 215104

signature David C. Hatt

REC'D AT time date
_____ / ____ / ____

unloaded by
signature _____

ATTACHMENT C
LABORATORY PROCEDURES,
CERTIFIED ANALYTICAL REPORTS,
AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by Atlantic Richfield Company have been reviewed and verified by that laboratory.



25 February, 2004

Leonard Niles
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11133, Oakland, CA
Work Order: MNB0239

Enclosed are the results of analyses for samples received by the laboratory on 02/06/04 11:07. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: BP Heritage #11133, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MNB0239
Reported:
 02/25/04 12:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-020504	MNB0239-01	Water	02/05/04 00:00	02/06/04 11:07
MW-1	MNB0239-02	Water	02/05/04 12:32	02/06/04 11:07
MW-3	MNB0239-03	Water	02/05/04 11:21	02/06/04 11:07
AW-1	MNB0239-04	Water	02/05/04 12:10	02/06/04 11:07
AW-2	MNB0239-05	Water	02/05/04 10:24	02/06/04 11:07
AW-4	MNB0239-06	Water	02/05/04 10:56	02/06/04 11:07
AW-5	MNB0239-07	Water	02/05/04 11:37	02/06/04 11:07
AW-6	MNB0239-08	Water	02/05/04 11:53	02/06/04 11:07
RW-1	MNB0239-09	Water	02/05/04 13:00	02/06/04 11:07

These samples were received with intact custody seals.

URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: BP Heritage #11133, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MNB0239
 Reported:
 02/25/04 12:09

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
MW-1 (MNB0239-02) Water Sampled: 02/05/04 12:32 Received: 02/06/04 11:07										
Ethanol	ND	1000		ug/l	10	4B18002	02/18/04	02/19/04	EPA 8260B	
tert-Butyl alcohol	ND	200		"	"	"	"	"	"	"
Methyl tert-butyl ether	9.2	5.0		"	"	"	"	"	"	"
Di-isopropyl ether	ND	5.0		"	"	"	"	"	"	"
Ethyl tert-butyl ether	ND	5.0		"	"	"	"	"	"	"
tert-Amyl methyl ether	ND	5.0		"	"	"	"	"	"	"
1,2-Dichloroethane	ND	5.0		"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	5.0		"	"	"	"	"	"	"
Benzene	56	5.0		"	"	"	"	"	"	"
Toluene	11	5.0		"	"	"	"	"	"	"
Ethylbenzene	250	5.0		"	"	"	"	"	"	"
Xylenes (total)	210	5.0		"	"	"	"	"	"	"
Gasoline Range Organics	6200	500		"	"	"	"	"	"	"
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>98.4 %</i>		<i>78-129</i>		"	"	"	"	"
MW-3 (MNB0239-03) Water Sampled: 02/05/04 11:21 Received: 02/06/04 11:07										
Ethanol	ND	100		ug/l	1	4B18002	02/18/04	02/19/04	EPA 8260B	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	"
Methyl tert-butyl ether	4.6	0.50		"	"	"	"	"	"	"
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	"
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	"
tert-Amyl methyl ether	ND	0.50		"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50		"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.50		"	"	"	"	"	"	"
Benzene	ND	0.50		"	"	"	"	"	"	"
Toluene	ND	0.50		"	"	"	"	"	"	"
Ethylbenzene	ND	0.50		"	"	"	"	"	"	"
Xylenes (total)	ND	0.50		"	"	"	"	"	"	"
Gasoline Range Organics	ND	50		"	"	"	"	"	"	"
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>98.0 %</i>		<i>78-129</i>		"	"	"	"	"

URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: BP Heritage #11133, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MNB0239
 Reported:
 02/25/04 12:09

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
AW-1 (MNB0239-04) Water Sampled: 02/05/04 12:10 Received: 02/06/04 11:07										
Ethanol	ND	10000		ug/l	100	4B18002	02/18/04	02/19/04	EPA 8260B	
tert-Butyl alcohol	ND	2000		"	"	"	"	"	"	
Methyl tert-butyl ether	930	50		"	"	"	"	"	"	
Di-isopropyl ether	ND	50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50		"	"	"	"	"	"	
tert-Amyl methyl ether	160	50		"	"	"	"	"	"	
1,2-Dichloroethane	ND	50		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50		"	"	"	"	"	"	
Benzene	2000	50		"	"	"	"	"	"	
Toluene	ND	50		"	"	"	"	"	"	
Ethylbenzene	820	50		"	"	"	"	"	"	
Xylenes (total)	590	50		"	"	"	"	"	"	
Gasoline Range Organics	12000	5000		"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>98.8 %</i>		<i>78-129</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
AW-2 (MNB0239-05) Water Sampled: 02/05/04 10:24 Received: 02/06/04 11:07										
Ethanol	ND	100		ug/l	1	4B18002	02/18/04	02/19/04	EPA 8260B	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Methyl tert-butyl ether	5.1	0.50		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50		"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50		"	"	"	"	"	"	
Benzene	3.0	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
Gasoline Range Organics	ND	50		"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>99.0 %</i>		<i>78-129</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

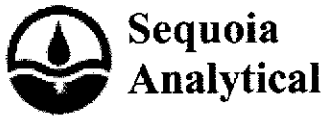
URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: BP Heritage #11133, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MNB0239
 Reported:
 02/25/04 12:09

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
AW-4 (MNB0239-06) Water Sampled: 02/05/04 10:56 Received: 02/06/04 11:07									
Ethanol	ND	200	ug/l	2	4B18002	02/18/04	02/19/04	EPA 8260B	
tert-Butyl alcohol	ND	40	"	"	"	"	"	"	
Methyl tert-butyl ether	40	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
tert-Amyl methyl ether	3.7	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Benzene	40	1.0	"	"	"	"	"	"	
Toluene	3.1	1.0	"	"	"	"	"	"	
Ethylbenzene	15	1.0	"	"	"	"	"	"	
Xylenes (total)	27	1.0	"	"	"	"	"	"	
Gasoline Range Organics	420	100	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %		78-129	"	"	"	"	
AW-5 (MNB0239-07) Water Sampled: 02/05/04 11:37 Received: 02/06/04 11:07									
Ethanol	ND	2000	ug/l	20	4B18002	02/18/04	02/19/04	EPA 8260B	
tert-Butyl alcohol	1200	400	"	"	"	"	"	"	
Methyl tert-butyl ether	810	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
tert-Amyl methyl ether	160	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
Benzene	ND	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Gasoline Range Organics	1800	1000	"	"	"	"	"	"	HC-19
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %		78-129	"	"	"	"	



URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

Project: BP Heritage #11133, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

MNB0239
 Reported:
 02/25/04 12:09

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AW-6 (MNB0239-08) Water Sampled: 02/05/04 11:53 Received: 02/06/04 11:07									
Ethanol	ND	10000	ug/l	100	4B19002	02/19/04	02/19/04	EPA 8260B	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Methyl tert-butyl ether	5400	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	1800	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
Benzene	ND	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Ethylbenzene	ND	50	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Gasoline Range Organics	7000	5000	"	"	"	"	"	"	HC-19
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.6 %	78-129	"	"	"	"	"	
RW-1 (MNB0239-09) Water Sampled: 02/05/04 13:00 Received: 02/06/04 11:07									
Ethanol	ND	5000	ug/l	50	4B19002	02/19/04	02/19/04	EPA 8260B	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	100	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
Benzene	92	25	"	"	"	"	"	"	
Toluene	200	25	"	"	"	"	"	"	
Ethylbenzene	240	25	"	"	"	"	"	"	
Xylenes (total)	1100	25	"	"	"	"	"	"	
Gasoline Range Organics	11000	2500	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	78-129	"	"	"	"	"	

URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: BP Heritage #11133, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MNB0239
 Reported:
 02/25/04 12:09

**Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 4B18002 - EPA 5030B P/T
Blank (4B18002-BLK1)

Prepared & Analyzed: 02/18/04

Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics	ND	50	"							

Surrogate: 1,2-Dichloroethane-d4 4.89 " 5.00 97.8 78-129

Laboratory Control Sample (4B18002-BS1)

Prepared & Analyzed: 02/18/04

Ethanol	270	100	ug/l	200		135	31-143			
tert-Butyl alcohol	47.1	20	"	50.0		94.2	56-131			
Methyl tert-butyl ether	9.34	0.50	"	10.0		93.4	63-137			
Di-isopropyl ether	9.08	0.50	"	10.0		90.8	76-130			
Ethyl tert-butyl ether	9.69	0.50	"	10.0		96.9	81-121			
tert-Amyl methyl ether	9.28	0.50	"	10.0		92.8	82-140			
1,2-Dichloroethane	9.72	0.50	"	10.0		97.2	77-136			
1,2-Dibromoethane (EDB)	10.3	0.50	"	10.0		103	77-132			
Benzene	9.45	0.50	"	10.0		94.5	78-124			
Toluene	9.16	0.50	"	10.0		91.6	78-129			
Ethylbenzene	9.84	0.50	"	10.0		98.4	84-117			
Xylenes (total)	30.2	0.50	"	30.0		101	83-125			

Surrogate: 1,2-Dichloroethane-d4 4.79 " 5.00 95.8 78-129

URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: BP Heritage #11133, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MNB0239
 Reported:
 02/25/04 12:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4B18002 - EPA 5030B P/T
Laboratory Control Sample (4B18002-BS2)

Prepared & Analyzed: 02/18/04

Methyl tert-butyl ether	7.87	0.50	ug/l	10.1		77.9	63-137			
Benzene	5.13	0.50	"	6.48		79.2	78-124			
Toluene	29.6	0.50	"	29.7		99.7	78-129			
Ethylbenzene	7.30	0.50	"	7.20		101	84-117			
Xylenes (total)	36.1	0.50	"	33.7		107	83-125			
Gasoline Range Organics	398	50	"	440		90.5	70-113			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.86</i>		<i>"</i>	<i>5.00</i>		<i>97.2</i>	<i>78-129</i>			

Laboratory Control Sample Dup (4B18002-BSD1)

Prepared & Analyzed: 02/18/04

Ethanol	280	100	ug/l	200		140	31-143	3.64	20	
tert-Butyl alcohol	46.8	20	"	50.0		93.6	56-131	0.639	20	
Methyl tert-butyl ether	9.31	0.50	"	10.0		93.1	63-137	0.322	13	
Di-isopropyl ether	8.92	0.50	"	10.0		89.2	76-130	1.78	9	
Ethyl tert-butyl ether	9.52	0.50	"	10.0		95.2	81-121	1.77	9	
tert-Amyl methyl ether	9.58	0.50	"	10.0		95.8	82-140	3.18	12	
1,2-Dichloroethane	9.50	0.50	"	10.0		95.0	77-136	2.29	13	
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0		102	77-132	0.976	9	
Benzene	9.45	0.50	"	10.0		94.5	78-124	0.00	12	
Toluene	8.92	0.50	"	10.0		89.2	78-129	2.65	10	
Ethylbenzene	9.68	0.50	"	10.0		96.8	84-117	1.64	10	
Xylenes (total)	29.3	0.50	"	30.0		97.7	83-125	3.03	11	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.79</i>		<i>"</i>	<i>5.00</i>		<i>95.8</i>	<i>78-129</i>			

Laboratory Control Sample Dup (4B18002-BSD2)

Prepared & Analyzed: 02/18/04

Methyl tert-butyl ether	8.08	0.50	ug/l	10.1		80.0	63-137	2.63	13	
Benzene	5.17	0.50	"	6.48		79.8	78-124	0.777	12	
Toluene	30.1	0.50	"	29.7		101	78-129	1.68	10	
Ethylbenzene	7.44	0.50	"	7.20		103	84-117	1.90	10	
Xylenes (total)	36.8	0.50	"	33.7		109	83-125	1.92	11	
Gasoline Range Organics	398	50	"	440		90.5	70-113	0.00	9	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>4.92</i>		<i>"</i>	<i>5.00</i>		<i>98.4</i>	<i>78-129</i>			



URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612	Project: BP Heritage #11133, Oakland, CA Project Number: N/P Project Manager: Leonard Niles	MNB0239 Reported: 02/25/04 12:09
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Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4B19002 - EPA 5030B [P/T]

Blank (4B19002-BLK1)

Prepared & Analyzed: 02/19/04

Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics	ND	50	"							

Surrogate: 1,2-Dichloroethane-d4 5.16 " 5.00 103 78-129

Laboratory Control Sample (4B19002-BS1)

Prepared & Analyzed: 02/19/04

Ethanol	147	100	ug/l	200		73.5	31-143			
tert-Butyl alcohol	37.4	20	"	50.0		74.8	56-131			
Methyl tert-butyl ether	10.2	0.50	"	10.0		102	63-137			
Di-isopropyl ether	10.1	0.50	"	10.0		101	76-130			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	81-121			
tert-Amyl methyl ether	9.53	0.50	"	10.0		95.3	82-140			
1,2-Dichloroethane	9.12	0.50	"	10.0		91.2	77-136			
1,2-Dibromoethane (EDB)	8.56	0.50	"	10.0		85.6	77-132			

Surrogate: 1,2-Dichloroethane-d4 5.31 " 5.00 106 78-129

Laboratory Control Sample (4B19002-BS2)

Prepared & Analyzed: 02/19/04

Benzene	5.49	0.50	ug/l	6.48		84.7	69-124			
Toluene	27.3	0.50	"	29.7		91.9	78-129			
Ethylbenzene	6.83	0.50	"	7.20		94.9	84-132			
Xylenes (total)	34.8	0.50	"	33.7		103	83-137			
Gasoline Range Organics	415	50	"	440		94.3	70-124			

Surrogate: 1,2-Dichloroethane-d4 5.34 " 5.00 107 78-129

URS Corporation [Arco]
 1333 Broadway, Suite 800
 Oakland CA, 94612

 Project: BP Heritage #11133, Oakland, CA
 Project Number: N/P
 Project Manager: Leonard Niles

 MNB0239
 Reported:
 02/25/04 12:09

**Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4B19002 - EPA 5030B [P/T]
Laboratory Control Sample Dup (4B19002-BSD1)

Prepared & Analyzed: 02/19/04

Ethanol	128	100	ug/l	200	64.0	31-143	13.8	20	
tert-Butyl alcohol	37.8	20	"	50.0	75.6	56-131	1.06	20	
Methyl tert-butyl ether	10.9	0.50	"	10.0	109	63-137	6.64	20	
Di-isopropyl ether	10.1	0.50	"	10.0	101	76-130	0.00	20	
Ethyl tert-butyl ether	10.0	0.50	"	10.0	100	81-121	0.995	20	
tert-Amyl methyl ether	9.77	0.50	"	10.0	97.7	82-140	2.49	20	
1,2-Dichloroethane	9.44	0.50	"	10.0	94.4	77-136	3.45	20	
1,2-Dibromoethane (EDB)	8.87	0.50	"	10.0	88.7	77-132	3.56	20	

Surrogate: 1,2-Dichloroethane-d4

5.45

"

5.00

109

78-129

Laboratory Control Sample Dup (4B19002-BSD2)

Prepared & Analyzed: 02/19/04

Benzene	5.39	0.50	ug/l	6.48	83.2	69-124	1.84	20	
Toluene	28.1	0.50	"	29.7	94.6	78-129	2.89	20	
Ethylbenzene	6.99	0.50	"	7.20	97.1	84-132	2.32	20	
Xylenes (total)	35.0	0.50	"	33.7	104	83-137	0.573	20	
Gasoline Range Organics	432	50	"	440	98.2	70-124	4.01	20	

Surrogate: 1,2-Dichloroethane-d4

5.10

"

5.00

102

78-129

URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland CA, 94612

Project: BP Heritage #11133, Oakland, CA
Project Number: N/P
Project Manager: Leonard Niles

MNB0239
Reported:
02/25/04 12:09

Notes and Definitions

HC-19 Discrete peak @ C-5.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



Chain of Custody Record

Project Name 11133 GWM 040205-DW-1
 BP BU/GEM CO Portfolio Retail
 BP Laboratory Contract Number: Atlantic Richfield Company
 Requested Due Date (mm/dd/yy) 14 day TAT

Date: 2-5-04

On-site Time: <u>9:15</u>	Temp: <u>55°</u>
Off-site Time: <u>13:15</u>	Temp: <u>60°</u>
Sky Conditions: <u>Sunny</u>	
Meteorological Events:	
Wind Speed: <u>5mph</u>	Direction: <u>E</u>

Send To:	BP/GEM Facility No.: <u>11133</u>	Consultant/Contractor: <u>URS</u>
Lab Name: <u>SEQUOIA</u>	BP/GEM Facility Address: <u>2220 98TH AVE., OAKLAND, CA</u>	Address: <u>500 12th St., Ste. 200</u>
Lab Address: <u>885 Jarvis Dr.</u>	Site ID No. <u>11133</u>	<u>Oakland, CA 94609-4014</u>
<u>Morgan Hill, CA 95037</u>	Site Lat/Long:	e-mail EDD: <u>donna.casper@URSCorp.com</u>
Lab PM <u>Theresa Allen</u>	California Global ID #: <u>T0600100210</u>	Consultant/Contractor Project No.:
Tele/Fax: <u>408-776-9600 / 408-782-6308</u>	BP/GEM PM Contact: <u>PAUL SUPPLE</u>	Consultant Tele/Fax: <u>510-893-3600/510-874-3288</u>
Report Type & QC Level: <u>1 Send BDF Reports</u>	Address: <u>P.O. Box 6549</u>	Consultant/Contractor PM: <u>Leonard Niles</u>
BP/GEM Account No.: <u>400-6-21124</u>	<u>Moraga, CA 94570</u>	Invoice to: Consultant/Contractor of <u>BP/GEM</u> (Circle one)
Lab Bottle Order No:	Tele/Fax: <u>925-299-8891/925-299-8872</u>	BP/GEM Work Release No:

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis						Sample Point Lat/Long and Comments	
			Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-G/BTEX (8015/8021) (8260)	TPH-D (8015)	MTBE (8021)	MIBE (8260)	MTBE, TAME, ETBE (8260)	DIBP, TBA (8260)		1,2-DCA & EDB (8260)
1	TB 020504	-		X			<u>XNB0239</u>	01												<u>ON HOLD</u>
2	MW-1	12:32					02						X			X	X	X		
3	MW-3	11:21					03						X			X	X	X		
4	AW-1	12:10					04						X			X	X	X		
5	AW-2	10:24					05						X			X	X	X		
6	AW-4	10:56					06						X			X	X	X		
7	AW-5	11:37					07						X			X	X	X		
8	AW-6	11:53					08						X			X	X	X		
9	RW-1	13:00					09						X			X	X	X		
10																				

Sampler's Name: <u>Dave Walker</u>	Relinquished By / Affiliation: <u>David C. [Signature]</u>	Date: <u>2/6/04</u>	Time: <u>10:23</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>2/6/04</u>	Time: <u>11:07</u>
Sampler's Company: <u>BTS</u>						
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

Instructions: Address Invoice to BP/GEM but send to URS for approval

Seals In Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt 2 °F/C Trip Blank Yes No

Color: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: <u>BP</u>	DATE REC'D AT LAB: <u>2/6/04</u>	DRINKING WATER for regulatory purposes: YES <input checked="" type="checkbox"/> NO
REC. BY (PRINT) <u>TL</u>	TIME REC'D AT LAB: <u>11:07</u>	WASTE WATER for regulatory purposes: YES <input checked="" type="checkbox"/> NO
WORKORDER: <u>MMB0221</u>	DATE LOGGED IN: <u>2/7/04</u>	

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) <u>Present / Absent</u> <u>Bag</u> <u>Intact / Broken*</u>	01		TB	(2) Vials	HA	C	2/5/04	3337010
2. Chain-of-Custody <u>Present / Absent*</u>	02		MW-1	}	}	}	}	
3. Traffic Reports or Packing List: <u>Present / Absent</u>	03		J-3					
4. Airbill: <u>Airbill / Sticker</u> <u>Present / Absent*</u>	04		AW-1					
5. Airbill #:	05		AW-2					
6. Sample Labels: <u>Present / Absent</u>	06		MW-4					
7. Sample IDs: <u>Present / Not Listed</u> on Chain-of-Custody	07		AW-5					
8. Sample Condition: <u>Intact / Broken* / Leaking*</u>	08		AW-6					
9. Does information on chain-of-custody, traffic reports and sample labels agree? <u>Yes / No*</u>	09		RW-1					
10. Sample received within hold time: <u>Yes / No*</u>								
11. Adequate sample volume received? <u>Yes / No*</u>								
12. Proper Preservatives used: <u>Yes / No*</u>								
13. Temp Rec. at Lab: <u>20C</u> Is temp 4 +/-2°C? <u>Yes / No**</u>								

2/6/04 BP

(Acceptance range for samples requiring thermal pres.)
 **Exception (if any): METALS / DFF ON ICE or Problem COC

***IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.**

SRL v 4.xls
 Revision 4 (11/10/03)
 Replaces Revision 3 (03/18/03)
 Effective 11/10/03

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

03/10/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage #11133, Oakla
Work Order Number:	MNB0239
Global ID:	T0600100210
Lab Report Number:	MNB0239022520041209

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MNB02390225200 AW-1 41209		MNB023904	W	CS	8260TPH	SW5030B	02/05/04	02/18/04	02/19/04	4B18002	1	
MNB02390225200 AW-2 41209		MNB023905	W	CS	8260TPH	SW5030B	02/05/04	02/18/04	02/19/04	4B18002	1	
MNB02390225200 AW-4 41209		MNB023906	W	CS	8260TPH	SW5030B	02/05/04	02/18/04	02/19/04	4B18002	1	
MNB02390225200 AW-5 41209		MNB023907	W	CS	8260TPH	SW5030B	02/05/04	02/18/04	02/19/04	4B18002	1	
MNB02390225200 AW-6 41209		MNB023908	W	CS	8260TPH	SW5030B	02/05/04	02/19/04	02/19/04	4B19002	1	
MNB02390225200 MW-1 41209		MNB023902	W	CS	8260TPH	SW5030B	02/05/04	02/18/04	02/19/04	4B18002	1	
MNB02390225200 MW-3 41209		MNB023903	W	CS	8260TPH	SW5030B	02/05/04	02/18/04	02/19/04	4B18002	1	
MNB02390225200 RW-1 41209		MNB023909	W	CS	8260TPH	SW5030B	02/05/04	02/19/04	02/19/04	4B19002	1	
		4B18002BSD1	WQ	BD1	8260TPH	SW5030B	//	02/18/04	02/18/04	4B18002	1	
		4B18002BSD2	WQ	BD2	8260TPH	SW5030B	//	02/18/04	02/18/04	4B18002	1	
		4B18002BS1	WQ	BS1	8260TPH	SW5030B	//	02/18/04	02/18/04	4B18002	1	
		4B18002BS2	WQ	BS2	8260TPH	SW5030B	//	02/18/04	02/18/04	4B18002	1	
		4B18002BLK1	WQ	LB1	8260TPH	SW5030B	//	02/18/04	02/18/04	4B18002	1	
		4B19002BSD1	WQ	BD1	8260TPH	SW5030B	//	02/19/04	02/19/04	4B19002	1	
		4B19002BSD2	WQ	BD2	8260TPH	SW5030B	//	02/19/04	02/19/04	4B19002	1	
		4B19002BS1	WQ	BS1	8260TPH	SW5030B	//	02/19/04	02/19/04	4B19002	1	
		4B19002BS2	WQ	BS2	8260TPH	SW5030B	//	02/19/04	02/19/04	4B19002	1	
		4B19002BLK1	WQ	LB1	8260TPH	SW5030B	//	02/19/04	02/19/04	4B19002	1	

EDFSAMP: Error Summary Log

03/10/04

Error type	Logcode	Projname	Npdlwo	Sampid	Matrix
There are no errors in this data file					

EDFTEST: Error Summary Log

03/10/04

Error type	Labsampid	Qccode	Anmcode	Exmcode	Anadate	Run number
There are no errors in this data file					//	0

EDFRES: Error Summary Log

03/10/04

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
There are no errors in this data file						//	0	

EDFQC: Error Summary Log

03/10/04

Error type	Lablotctf	Anmcode	Parlabel	Qccode	Labqcid
There are no errors in this data files					

EDFCL: Error Summary Log

03/10/04

Error type	Crevdate	Anmcode	Exmcode	Parlabel	Cicode
There are no errors in this data file	//				

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Facility Global ID: T0600100210

Facility Name: BP

Submittal Title: First Quarter 2004 Geowell Report Site #11133

Submittal Type: GW Monitoring Report

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